

CALPOST Version 6.221 Level 080724

Internal Coordinate Transformations by --- COORDLIB Version: 1.99 Level: 070921

Run Title:
Cleco, Brame Energy Center, Rodemacher II
CANEEY CREEK WILDERNESS AREA CALPOST 2001
VISIBILITY METHOD 8

INPUT GROUP: 1 -- General run control parameters

Option to run all periods found
in the met. file(s) (METRUN) Default: 0 ! METRUN = 1 !

METRUN = 0 - Run period explicitly defined below
METRUN = 1 - Run all periods in CALPUFF data file(s)

Starting date: Year (ISYR) -- No default ! ISYR = 2001 !
 Month (ISMO) -- No default ! ISMO = 1 !
 Day (ISDY) -- No default ! ISDY = 1 !
Starting time: Hour (ISHR) -- No default ! ISHR = 0 !
 Minute (ISMIN) -- No default ! ISMIN = 0 !
 Second (ISSEC) -- No default ! ISSEC = 0 !

Ending date: Year (IEYR) -- No default ! IEYR = 2001 !
 Month (IEMO) -- No default ! IEMO = 12 !
 Day (IEDY) -- No default ! IEDY = 31 !
Ending time: Hour (IEHR) -- No default ! IEHR = 0 !
 Minute (IEMIN) -- No default ! IEMIN = 0 !
 Second (IESEC) -- No default ! IESEC = 0 !

(These are only used if METRUN = 0)

All times are in the base time zone of the CALPUFF simulation.
CALPUFF Dataset Version 2.1 contains the zone, but earlier versions
do not, and the zone must be specified here. The zone is the
number of hours that must be ADDED to the time to obtain UTC (or GMT).
Identify the Base Time Zone for the CALPUFF simulation
(BTZONE) -- No default ! BTZONE = 6.0 !

Process every period of data?
(NREP) -- Default: 1 ! NREP = 1 !
(1 = every period processed,
2 = every 2nd period processed,

5 = every 5th period processed, etc.)

Species & Concentration/Deposition Information

Species to process (ASPEC) -- No default ! ASPEC = VISIB !
(ASPEC = VISIB for visibility processing)

Layer/deposition code (ILAYER) -- Default: 1 ! ILAYER = 1 !
'1' for CALPUFF concentrations,
'-1' for dry deposition fluxes,
'-2' for wet deposition fluxes,
'-3' for wet+dry deposition fluxes.

Scaling factors of the form: -- Defaults: ! A = 0.0 !
 $X(\text{new}) = X(\text{old}) * A + B$ A = 0.0 ! B = 0.0 !
(NOT applied if A = B = 0.0) B = 0.0

Add Hourly Background Concentrations/Fluxes?
(LBACK) -- Default: F ! LBACK = F !

Source of NO₂ when ASPEC=NO₂ (above) or LVNO₂=T (Group 2) may be from CALPUFF NO₂ concentrations OR from a fraction of CALPUFF NO_x concentrations. Specify the fraction of NO_x that is treated as NO₂ either as a constant or as a table of fractions that depend on the magnitude of the NO_x concentration:

(NO₂CALC) -- Default: 1 ! NO₂CALC = 1 !
0 = Use NO₂ directly (NO₂ must be in file)
1 = Specify a single NO₂/NO_x ratio (RNO₂NO_x)
2 = Specify a table NO₂/NO_x ratios (TNO₂NO_x)
(NOTE: Scaling Factors must NOT be used with NO₂CALC=2)

Single NO₂/NO_x ratio (0.0 to 1.0) for treating some or all NO_x as NO₂, where [NO₂] = [NO_x] * RNO₂NO_x
(used only if NO₂CALC = 1)
(RNO₂NO_x) -- Default: 1.0 ! RNO₂NO_x = 1.0 !

Table of NO₂/NO_x ratios that vary with NO_x concentration. Provide 14 NO_x concentrations (ug/m³) and the corresponding NO₂/NO_x ratio, with NO_x increasing in magnitude. The ratio used for a particular NO_x concentration is interpolated from the values provided in the table. The ratio for the smallest tabulated NO_x concentration (the first) is used for all NO_x concentrations less than the smallest tabulated value, and the ratio for the largest tabulated NO_x concentration (the last) is used for all NO_x concentrations greater than the largest tabulated value.
(used only if NO₂CALC = 2)

NO_x concentration(ug / m³)
(CNOX) -- No default
! CNOX = 1.0, 2.0, 3.0, 4.0, 5.0, 6.0, 7.0,
8.0, 9.0, 10.0, 11.0, 12.0, 13.0, 14.0 !

NO₂/NO_x ratio for each NO_x concentration:
(TNO₂NO_x) -- No default

! TNO2NOX = 1.0, 1.0, 1.0, 1.0, 1.0, 1.0, 1.0,
1.0, 1.0, 1.0, 1.0, 1.0, 1.0, 1.0 !

Source information

Option to process source contributions:

- 0 = Process only total reported contributions
- 1 = Sum all individual source contributions and process
- 2 = Run in TRACEBACK mode to identify source
contributions at a SINGLE receptor
(MSOURCE) -- Default: 0 ! MSOURCE = 0 !

Plume Model Output Processing Options

Output from models other than CALPUFF and CALGRID can be written in the CONC.DAT format and processed by CALPOST. Plume models such as AERMOD typically do not treat CALM hours, and do not include such hours in multiple-hour averages, with specific rules about how many calm hours can be removed from an average. This treatment is known as CALM PROCESSING. Calm periods are identified from wind speeds in the meteorological data file for the application, which must be identified in Input Group 0 as the single-point meteorological data file MET1DAT.

- 0 = Option is not used for CALPUFF/CALGRID output files
- 1 = Apply CALM processing procedures to multiple-hour averages
(MCALMPRO) -- Default: 0 ! MCALMPRO = 0 !

Format of Single-point Met File

- 1 = AERMOD/AERMET SURFACE file
(MET1FMT) -- Default: 1 ! MET1FMT = 1 !

Receptor information

Gridded receptors processed? (LG) -- Default: F ! LG = F !
Discrete receptors processed? (LD) -- Default: F ! LD = T !
CTSG Complex terrain receptors processed?
(LCT) -- Default: F ! LCT = F !

--Report results by DISCRETE receptor RING?
(only used when LD = T) (LDRING) -- Default: F ! LDRING = F !

--Select range of DISCRETE receptors (only used when LD = T):

Select ALL DISCRETE receptors by setting NDRECP flag to -1;
OR

Select SPECIFIC DISCRETE receptors by entering a flag (0,1) for each

- 0 = discrete receptor not processed
- 1 = discrete receptor processed

using repeated value notation to select blocks of receptors:

23*1, 15*0, 12*1

Flag for all receptors after the last one assigned is set to 0

(NDRECP) -- Default: -1

! NDRECP = 80*1, 40*0!

--Select range of GRIDDED receptors (only used when LG = T):

X index of LL corner (IBGRID) -- Default: -1 ! IBGRID = -1 !
(-1 OR 1 <= IBGRID <= NX)

Y index of LL corner (JBGRID) -- Default: -1 ! JBGRID = -1 !
(-1 OR 1 <= JBGRID <= NY)

X index of UR corner (IEGRID) -- Default: -1 ! IEGRID = -1 !
(-1 OR 1 <= IEGRID <= NX)

Y index of UR corner (JEGRID) -- Default: -1 ! JEGRID = -1 !
(-1 OR 1 <= JEGRID <= NY)

Note: Entire grid is processed if IBGRID=JBGRID=IEGRID=JEGRID=-1

--Specific gridded receptors can also be excluded from CALPOST processing by filling a processing grid array with 0s and 1s. If the processing flag for receptor index (i,j) is 1 (ON), that receptor will be processed if it lies within the range delineated by IBGRID, JBGRID,IEGRID,JEGRID and if LG=T. If it is 0 (OFF), it will not be processed in the run. By default, all array values are set to 1 (ON).

Number of gridded receptor rows provided in Subgroup (1a) to identify specific gridded receptors to process
(NGONOFF) -- Default: 0 ! NGONOFF = 0 !

!END!

Subgroup (1a) -- Specific gridded receptors included/excluded

Specific gridded receptors are excluded from CALPOST processing by filling a processing grid array with 0s and 1s. A total of NGONOFF lines are read here. Each line corresponds to one 'row' in the sampling grid, starting with the NORTHERNMOST row that contains receptors that you wish to exclude, and finishing with row 1 to the SOUTH (no intervening rows may be skipped). Within a row, each receptor position is assigned either a 0 or 1, starting with the westernmost receptor.

0 = gridded receptor not processed

1 = gridded receptor processed

Repeated value notation may be used to select blocks of receptors:
23*1, 15*0, 12*1

Because all values are initially set to 1, any receptors north of the first row entered, or east of the last value provided in a row, remain ON.

(NGXRECP) -- Default: 1

INPUT GROUP: 2 -- Visibility Parameters (ASPEC = VISIB)

Test visibility options specified to see
if they conform to FLAG 2008 configuration?

(MVISCHECK) -- Default: 1 ! MVISCHECK = 1 !

0 = NO checks are made

1 = Technical options must conform to FLAG 2008 visibility guidance

ASPEC = VISIB

LVNO2 = T

NO2CALC = 1

RNO2NOX = 1.0

MVISBK = 8

M8_MODE = 5

Some of the data entered for use with the FLAG 2008 configuration
are specific to the Class I area being evaluated. These values can
be checked within the CALPOST user interface when the name of the
Class I area is provided.

Name of Class I Area (used for QA purposes only)

(AREANAME) -- Default: User ! AREANAME = CACR !

Particle growth curve f(RH) for hygroscopic species

(MFRH) -- Default: 4 ! MFRH = 4 !

1 = IWAQM (1998) f(RH) curve (originally used with MVISBK=1)

2 = FLAG (2000) f(RH) tabulation

3 = EPA (2003) f(RH) tabulation

4 = IMPROVE (2006) f(RH) tabulations for sea salt, and for small and
large SULFATE and NITRATE particles;

Used in Visibility Method 8 (MVISBK = 8 with M8_MODE = 1, 2, or 3)

Maximum relative humidity (%) used in particle growth curve

(RHMAX) -- Default: 98 ! RHMAX = 95 !

Modeled species to be included in computing the light extinction

Include SULFATE? (LVSO4) -- Default: T ! LVSO4 = T !

Include NITRATE? (LVNO3) -- Default: T ! LVNO3 = T !

Include ORGANIC CARBON? (LVOC) -- Default: T ! LVOC = T !

Include COARSE PARTICLES? (LVPMC) -- Default: T ! LVPMC = T !

Include FINE PARTICLES? (LVPMF) -- Default: T ! LVPMF = T !

Include ELEMENTAL CARBON? (LVEC) -- Default: T ! LVEC = T !

Include NO2 absorption? (LVNO2) -- Default: F ! LVNO2 = T !

With Visibility Method 8 -- Default: T

FLAG (2008)

And, when ranking for TOP-N, TOP-50, and Exceedance tables,

Include BACKGROUND? (LVBK) -- Default: T ! LVBK = T !

Species name used for particulates in MODEL.DAT file

COARSE (SPECPMC) -- Default: PMC ! SPECPMC = PMC !
FINE (SPECPMF) -- Default: PMF ! SPECPMF = PMF !

Extinction Efficiency (1/Mm per ug/m**3)

MODELED particulate species:

PM COARSE (EELMC) -- Default: 0.6 ! EELMC = 0.6 !

PM FINE (EELMF) -- Default: 1.0 ! EELMF = 1 !

BACKGROUND particulate species:

PM COARSE (EELMCBK) -- Default: 0.6 ! EELMCBK = 0.6 !

Other species:

AMMONIUM SULFATE (EESO4) -- Default: 3.0 ! EESO4 = 3 !

AMMONIUM NITRATE (EENO3) -- Default: 3.0 ! EENO3 = 3 !

ORGANIC CARBON (EEOC) -- Default: 4.0 ! EEOC = 4 !

SOIL (EESOIL) -- Default: 1.0 ! EESOIL = 1 !

ELEMENTAL CARBON (EEEC) -- Default: 10. ! EEEC = 10 !

NO2 GAS (EENO2) -- Default: .1755 ! EENO2 = 0.1755 !

Visibility Method 8:

AMMONIUM SULFATE (EESO4S) Set Internally (small)

AMMONIUM SULFATE (EESO4L) Set Internally (large)

AMMONIUM NITRATE (EENO3S) Set Internally (small)

AMMONIUM NITRATE (EENO3L) Set Internally (large)

ORGANIC CARBON (EEOCS) Set Internally (small)

ORGANIC CARBON (EEOCL) Set Internally (large)

SEA SALT (EESALT) Set Internally

Background Extinction Computation

Method used for the 24h-average of percent change of light extinction:

Hourly ratio of source light extinction / background light extinction

is averaged? (LAVER) -- Default: F ! LAVER = F !

Method used for background light extinction

(MVISBK) -- Default: 8 ! MVISBK = 8 !

FLAG (2008)

- 1 = Supply single light extinction and hygroscopic fraction
 - Hourly F(RH) adjustment applied to hygroscopic background and modeled sulfate and nitrate
- 2 = Background extinction from speciated PM concentrations (A)
 - Hourly F(RH) adjustment applied to observed and modeled sulfate and nitrate
 - F(RH) factor is capped at F(RHMAX)
- 3 = Background extinction from speciated PM concentrations (B)
 - Hourly F(RH) adjustment applied to observed and modeled sulfate and nitrate
 - Receptor-hour excluded if RH>RHMAX
 - Receptor-day excluded if fewer than 6 valid receptor-hours
- 4 = Read hourly transmissometer background extinction measurements
 - Hourly F(RH) adjustment applied to modeled sulfate and nitrate
 - Hour excluded if measurement invalid (missing, interference, or large RH)
 - Receptor-hour excluded if RH>RHMAX

- Receptor-day excluded if fewer than 6 valid receptor-hours
- 5 = Read hourly nephelometer background extinction measurements
 - Rayleigh extinction value (BEXTRAY) added to measurement
 - Hourly F(RH) adjustment applied to modeled sulfate and nitrate
 - Hour excluded if measurement invalid (missing, interference, or large RH)
 - Receptor-hour excluded if RH>RHMAX
 - Receptor-day excluded if fewer than 6 valid receptor-hours
- 6 = Background extinction from speciated PM concentrations
 - FLAG (2000) monthly RH adjustment factor applied to observed and modeled sulfate and nitrate
- 7 = Use observed weather or prognostic weather information for background extinction during weather events; otherwise, use Method 2
 - Hourly F(RH) adjustment applied to modeled sulfate and nitrate
 - F(RH) factor is capped at F(RHMAX)
 - During observed weather events, compute Bext from visual range if using an observed weather data file, or
 - During prognostic weather events, use Bext from the prognostic weather file
 - Use Method 2 for hours without a weather event
- 8 = Background extinction from speciated PM concentrations using the IMPROVE (2006) variable extinction efficiency formulation (MFRH must be set to 4)
 - Split between small and large particle concentrations of SULFATES, NITRATES, and ORGANICS is a function of concentration and different extinction efficiencies are used for each
 - Source-induced change in visibility includes the increase in extinction of the background aerosol due to the change in the extinction efficiency that now depends on total concentration.
 - Fsmall(RH) and Flarge(RH) adjustments for small and large particles are applied to observed and modeled sulfate and nitrate concentrations
 - Fsalt(RH) adjustment for sea salt is applied to background sea salt concentrations
 - F(RH) factors are capped at F(RHMAX)
 - RH for Fsmall(RH), Flarge(RH), and Fsalt(RH) may be obtained from hourly data as in Method 2 or from the FLAG monthly RH adjustment factor used for Method 6 where EPA F(RH) tabulation is used to infer RH, or monthly Fsmall, Flarge, and Fsalt RH adjustment factors can be directly entered.
 - Furthermore, a monthly RH factor may be applied to either hourly concentrations or daily concentrations to obtain the 24-hour extinction.
 - These choices are made using the M8_MODE selection.

Additional inputs used for MVISBK = 1:

 Background light extinction (1/Mm)
 (BEXTBK) -- No default ! BEXTBK = 12 !
 Percentage of particles affected by relative humidity
 (RHFRAC) -- No default ! RHFRAC = 10 !

Additional inputs used for MVISBK = 6,8:

 Extinction coefficients for hygroscopic species (modeled and background) are computed using a monthly RH adjustment factor

in place of an hourly RH factor (VISB.DAT file is NOT needed).
Enter the 12 monthly factors here (RHFAC). Month 1 is January.

(RHFAC) -- No default ! RHFAC = 3.3, 3.0, 2.7, 2.8,
3.2, 3.2, 3.0, 3.0,
3.2, 3.2, 3.1, 3.3 !

Additional inputs used for MVISBK = 7:

The weather data file (DATSAV abbreviated space-delimited) that is identified as VSRN.DAT may contain data for more than one station. Identify the stations that are needed in the order in which they will be used to obtain valid weather and visual range. The first station that contains valid data for an hour will be used. Enter up to MXWSTA (set in PARAMS file) integer station IDs of up to 6 digits each as variable IDWSTA, and enter the corresponding time zone for each, as variable TZONE (= UTC-LST).

A prognostic weather data file with Bext for weather events may be used in place of the observed weather file. Identify this as the VSRN.DAT file and use a station ID of IDWSTA = 999999, and TZONE = 0.

NOTE: TZONE identifies the time zone used in the dataset. The DATSAV abbreviated space-delimited data usually are prepared with UTC time rather than local time, so TZONE is typically set to zero.

(IDWSTA) -- No default * IDWSTA = 000000 *
(TZONE) -- No default * TZONE = 0. *

Additional inputs used for MVISBK = 2,3,6,7,8:

Background extinction coefficients are computed from monthly CONCENTRATIONS of ammonium sulfate (BKSO4), ammonium nitrate (BKNO3), coarse particulates (BKPMC), organic carbon (BKOC), soil (BKSOIL), and elemental carbon (BKEC). Month 1 is January.
(ug/m**3)

(BKSO4) -- No default ! BKSO4 = 0.23, 0.23, 0.23, 0.23,
0.23, 0.23, 0.23, 0.23,
0.23, 0.23, 0.23, 0.23 !

(BKNO3) -- No default ! BKNO3 = 0.10, 0.10, 0.10, 0.10,
0.10, 0.10, 0.10, 0.10,
0.10, 0.10, 0.10, 0.10 !

(BKPMC) -- No default ! BKPMC = 3.00, 3.00, 3.00, 3.00,
3.00, 3.00, 3.00, 3.00,
3.00, 3.00, 3.00, 3.00 !

(BKOC) -- No default ! BKOC = 1.80, 1.80, 1.80, 1.80,
1.80, 1.80, 1.80, 1.80,
1.80, 1.80, 1.80, 1.80 !

(BKSOIL) -- No default ! BKSOIL = 0.50, 0.50, 0.50, 0.50,
0.50, 0.50, 0.50, 0.50,
0.50, 0.50, 0.50, 0.50 !

(BKEC) -- No default ! BKEC = 0.02, 0.02, 0.02, 0.02,
0.02, 0.02, 0.02, 0.02,
0.02, 0.02, 0.02, 0.02 !

Additional inputs used for MVISBK = 8:

Extinction coefficients for hygroscopic species (modeled and background) may be computed using hourly RH values and hourly modeled concentrations, or using monthly RH values inferred from the RHFAC adjustment factors and either hourly or daily modeled concentrations, or using monthly RHFSML, RHFLRG, and RHFSEA adjustment factors and either hourly or daily modeled concentrations.

(M8_MODE) -- Default: 5 ! M8_MODE= 5 !
FLAG (2008)

- 1 = Use hourly RH values from VISB.DAT file with hourly modeled and monthly background concentrations.
- 2 = Use monthly RH from monthly RHFAC and EPA (2003) f(RH) tabulation with hourly modeled and monthly background concentrations. (VISB.DAT file is NOT needed).
- 3 = Use monthly RH from monthly RHFAC with EPA (2003) f(RH) tabulation with daily modeled and monthly background concentrations. (VISB.DAT file is NOT needed).
- 4 = Use monthly RHFSML, RHFLRG, and RHFSEA with hourly modeled and monthly background concentrations. (VISB.DAT file is NOT needed).
- 5 = Use monthly RHFSML, RHFLRG, and RHFSEA with daily modeled and monthly background concentrations. (VISB.DAT file is NOT needed).

Background extinction coefficients are computed from monthly CONCENTRATIONS of sea salt (BKSALT). Month 1 is January. (ug/m**3)

(BKSALT) -- No default ! BKSALT= 0.03, 0.03, 0.03, 0.03,
0.03, 0.03, 0.03, 0.03,
0.03, 0.03, 0.03, 0.03 !

Extinction coefficients for hygroscopic species (modeled and background) can be computed using monthly RH adjustment factors in place of an hourly RH factor (VISB.DAT file is NOT needed). Enter the 12 monthly factors here (RHFSML,RHFLRG,RHFSEA). Month 1 is January. (Used if M8_MODE = 4 or 5)

Small ammonium sulfate and ammonium nitrate particle sizes (RHFSML) -- No default ! RHFSML= 3.85, 3.44, 3.14, 3.24,
3.66, 3.71, 3.49, 3.51,
3.73, 3.72, 3.68, 3.88 !

Large ammonium sulfate and ammonium nitrate particle sizes (RHFLRG) -- No default ! RHFLRG= 2.77, 2.53, 2.37, 2.43,
2.68, 2.71, 2.59, 2.60,
2.71, 2.69, 2.67, 2.79 !

Sea salt particles (RHFSEA) -- No default ! RHFSEA= 3.90, 3.52, 3.31, 3.41,
3.83, 3.88, 3.69, 3.68,

3.82, 3.76, 3.77, 3.93 !

Additional inputs used for MVISBK = 2,3,5,6,7,8:

Extinction due to Rayleigh scattering is added (1/Mm)
(BEXTRAY) -- Default: 10.0 ! BEXTRAY = 11 !

!END!

INPUT GROUP: 3 -- Output options

Documentation

Documentation records contained in the header of the
CALPUFF output file may be written to the list file.
Print documentation image?
(LDOC) -- Default: F ! LDOC = F !

Output Units

Units for All Output (IPRTU) -- Default: 1 ! IPRTU = 3 !
for for
Concentration Deposition
1 = g/m**3 g/m**2/s
2 = mg/m**3 mg/m**2/s
3 = ug/m**3 ug/m**2/s
4 = ng/m**3 ng/m**2/s
5 = Odour Units

Visibility: extinction expressed in 1/Mega-meters (IPRTU is ignored)

Averaging time(s) reported

1-pd averages (L1PD) -- Default: T ! L1PD = F !
(pd = averaging period of model output)

1-hr averages (L1HR) -- Default: T ! L1HR = F !

3-hr averages (L3HR) -- Default: T ! L3HR = F !

24-hr averages (L24HR) -- Default: T ! L24HR = T !

Run-length averages (LRUNL) -- Default: T ! LRUNL = F !

User-specified averaging time in hours, minutes, seconds
- results for this averaging time are reported if it is not zero

(NAVGH) -- Default: 0 ! NAVGH = 0 !
(NAVGM) -- Default: 0 ! NAVGM = 0 !
(NAVGS) -- Default: 0 ! NAVGS = 0 !

Types of tabulations reported

- 1) Visibility: daily visibility tabulations are always reported for the selected receptors when ASPEC = VISIB. In addition, any of the other tabulations listed below may be chosen to characterize the light extinction coefficients.
[List file or Plot/Analysis File]

- 2) Top 50 table for each averaging time selected
[List file only]
(LT50) -- Default: T ! LT50 = F !

- 3) Top 'N' table for each averaging time selected
[List file or Plot file]
(LTOPN) -- Default: F ! LTOPN = F !

-- Number of 'Top-N' values at each receptor selected (NTOP must be <= 4)
(NTOP) -- Default: 4 ! NTOP = 4 !

-- Specific ranks of 'Top-N' values reported (NTOP values must be entered)
(ITOP(4) array) -- Default: ! ITOP = 1,2,3,4 !
1,2,3,4

- 4) Threshold exceedance counts for each receptor and each averaging time selected
[List file or Plot file]
(LEXCD) -- Default: F ! LEXCD = F !

-- Identify the threshold for each averaging time by assigning a non-negative value (output units).

-- Default: -1.0
Threshold for 1-hr averages (THRESH1) ! THRESH1 = -1.0 !
Threshold for 3-hr averages (THRESH3) ! THRESH3 = -1.0 !
Threshold for 24-hr averages (THRESH24) ! THRESH24 = -1.0 !
Threshold for NAVG-hr averages (THRESHN) ! THRESHN = -1.0 !

-- Counts for the shortest averaging period selected can be tallied daily, and receptors that experience more than NCOUNT counts over any NDAY period will be reported. This type of exceedance violation output is triggered only if NDAY > 0.

Accumulation period(Days)
(NDAY) -- Default: 0 ! NDAY = 0 !
Number of exceedances allowed
(NCOUNT) -- Default: 1 ! NCOUNT = 1 !

5) Selected day table(s)

Echo Option -- Many records are written each averaging period selected and output is grouped by day

[List file or Plot file]

(LECHO) -- Default: F ! LECHO = F !

Timeseries Option -- Averages at all selected receptors for each selected averaging period are written to timeseries files. Each file contains one averaging period, and all receptors are written to a single record each averaging time.

[TSERIES_ASPEC_ttHR_CONC_TSUNAM.DAT files]

(LTIME) -- Default: F ! LTIME = F !

Peak Value Option -- Averages at all selected receptors for each selected averaging period are screened and the peak value each period is written to timeseries files.

Each file contains one averaging period.

[PEAKVAL_ASPEC_ttHR_CONC_TSUNAM.DAT files]

(LPEAK) -- Default: F ! LPEAK = F !

-- Days selected for output

(IECHO(366)) -- Default: 366*0

! IECHO = 366*0 !

(366 values must be entered)

Plot output options

Plot files can be created for the Top-N, Exceedance, and Echo tables selected above. Two formats for these files are available, DATA and GRID. In the DATA format, results at all receptors are listed along with the receptor location [x,y,val1,val2,...]. In the GRID format, results at only gridded receptors are written, using a compact representation. The gridded values are written in rows (x varies), starting with the most southern row of the grid. The GRID format is given the .GRD extension, and includes headers compatible with the SURFER(R) plotting software.

A plotting and analysis file can also be created for the daily peak visibility summary output, in DATA format only.

Generate Plot file output in addition to writing tables to List file?

(LPLT) -- Default: F ! LPLT = F !

Use GRID format rather than DATA format, when available?

(LGRD) -- Default: F ! LGRD = F !

Auxiliary Output Files (for subsequent analyses)

Visibility

A separate output file may be requested that contains the change in visibility at each selected receptor when ASPEC = VISIB. This file can be processed to construct visibility measures that are not available in CALPOST.

Output file with the visibility change at each receptor?
(MDVIS) -- Default: 0 ! MDVIS = 1 !

- 0 = Do Not create file
- 1 = Create file of DAILY (24 hour) Delta-Deciview
- 2 = Create file of DAILY (24 hour) Extinction Change (%)
- 3 = Create file of HOURLY Delta-Deciview
- 4 = Create file of HOURLY Extinction Change (%)

Additional Debug Output

Output selected information to List file
for debugging?
(LDEBUG) -- Default: F ! LDEBUG = F !

Output hourly extinction information to REPORT.HRV?
(Visibility Method 7)
(LVEXTHR) -- Default: F ! LVEXTHR = F !

!END!

NOTICE: Starting year in control file sets the
expected century for the simulation. All
YY years are converted to YYYY years in
the range: 1951 2050

CALPOST Version 6.221 Level 080724

CALPOST Control File Input Summary -----

Replace run data with data in Puff file 1=Y: 1
Run starting date -- year: 2001
 month: 1
 day: 1
 Julian day: 0
Time at start of run - hour(0-23): 0
 - minute: 0
 - second: 0

Extinction Computation includes:

SULFATES
NITRATES
NO2 GAS

Fraction CALPUFF NOx used as NO2 : 1.000

ORGANIC CARBON
ELEMENTAL CARBON
COARSE PARTICLES
FINE PARTICLES
BACKGROUND

Particle f(RH) growth curve(s) : IMPROVE (2006) Tables

Max. RH % for particle growth (%): 95.000

Species name for modeled particulates

coarse: PMC

fine: PMF

Extinction Efficiency (1/Mm per ug/m**3)

ammonium sulfate S: 2.2000
ammonium sulfate L: 4.8000
ammonium nitrate S: 2.4000
ammonium nitrate L: 5.1000
organic carbon S: 2.8000
organic carbon L: 6.1000
sea salt: 1.7000
NO2 gas: 0.1755
soil: 1.0000
elemental carbon: 10.0000
MODELED coarse PM: 0.6000
MODELED fine PM: 1.0000
BACKGRND coarse PM: 0.6000

Background Extinction Calculation Method 8

Method 8 Mode: 5

(24-hr avg conc. with monthly F(RH) data)

Monthly RH factor for small particles:

1 .3850E+01
2 .3440E+01
3 .3140E+01
4 .3240E+01
5 .3660E+01
6 .3710E+01
7 .3490E+01
8 .3510E+01
9 .3730E+01
10 .3720E+01
11 .3680E+01
12 .3880E+01

Monthly RH factor for large particles:

1 .2770E+01
2 .2530E+01
3 .2370E+01
4 .2430E+01

5 .2680E+01
6 .2710E+01
7 .2590E+01
8 .2600E+01
9 .2710E+01
10 .2690E+01
11 .2670E+01
12 .2790E+01

Monthly RH factor for sea salt:

1 .3900E+01
2 .3520E+01
3 .3310E+01
4 .3410E+01
5 .3830E+01
6 .3880E+01
7 .3690E+01
8 .3680E+01
9 .3820E+01
10 .3760E+01
11 .3770E+01
12 .3930E+01

Rayleigh scattering extinction (1/Mm): 11.00

Monthly background conc. (ug/m**3):

	(NH4)2SO4	(NH4)NO3	PM-C	OC	SOIL	EC	SEA SALT
1	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
2	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
3	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
4	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
5	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
6	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
7	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
8	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
9	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
10	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
11	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01
12	.2300E+00	.1000E+00	.3000E+01	.1800E+01	.5000E+00	.2000E-01	.3000E-01

Optional output file for visibility 1

Create file of DAILY (24 hour) Delta-Deciview

Output options

Units requested for output: (1/Mega-m)

Averaging time(s) selected

User-specified averaging time (hr:mm:ss): 0: 0: 0

1-pd averages: F
1-hr averages: F
3-hr averages: F
24-hr averages: T

User-specified averages: F
Length of run averages: F

Output components selected

Top-50: F
Top-N values at each receptor: F
Exceedance counts at each receptor: F
Output selected information for debugging: F
Echo tables for selected days: F
Time-series for selected days: F
Peak value Time-series for selected days: F

Plot file option

Plot files created: F

MAPSPEC: Species Mapping

Number of species-levels in file : 9
Number of species-levels processed: 10

Input ID	Processing ID	Name	
1	1	SO2	1
2	2	SO4	1
3	3	NOX	1
4	4	HNO3	1
5	5	NO3	1
6	6	PMC	1
7	7	PMF	1
8	8	EC	1
9	9	SOA	1

Visibility Species

	Processing ID	Name	
sulfate	2	SO4	1
no2gas	10	NO2	1
noxgas	3	NOX	1
nitrate	5	NO3	1
specpmf	7	PMF	1
specpmc	6	PMC	1
orgcarb	9	SOA	1
lmncarb	8	EC	1

IDENTIFICATION OF PROCESSED MODEL FILE -----

CALPUFF 5.8.4 130731

CLECO, Brame, Rodemacher II
ALM-step1
Repartitioning of NO3/HNO3

Averaging time for values reported from model:
1 HOUR

Number of averaging periods in file from model:

navg,ntop = 0 4
navgh,navgm,navgs = 0 0 0
itop = 1 2 3 4
L[1,3,24]HR = F F T
LNAVG, LRUNL = F F
LT50, LTOPN, LEXCD = F F F
LECHO, LTIME, LPEAK = F F F
THRESH1 = -1.00000000
THRESH3 = -1.00000000
THRESH24 = -1.00000000
THRESHN = -1.00000000
LPLT, LGRD = F F
MDVIS = 1
LDEBUG = F
LCTSG = F

CONTENTS OF HEADER OF MODEL OUTPUT FILE -----

model: CALPUFF 5.8.4 130731
msyr,mjsday = 2000 366
mshr,mssec = 23 0
nsecdt (period) = 3600
xbtz = 6.00000000
mnper,nszout,mavgpd = 8752 9 1
xorigkm,yorigkm,nssta = -951.547058 -1646.63708 0
ielmet,jelmet = 462 376
delx,dely,nz = 4.00000000 4.00000000 1
iastar,iastop,jastar,jastop = 288 451 117 274
isastr,isastp,jsastr,jsastp = 1 462 1 376
(computed) ngx,ngy = 462 376
meshdn,npts,nareas = 1 1 0
nlines,nvols = 0 0
ndrec,nctrec,LSGRID = 120 0 F

Discrete Receptors (n,x,y,z):

1 270.325867 -617.518921 365.000000
2 271.090393 -617.494019 365.000000
3 271.854797 -617.469116 368.000000
4 268.767273 -616.646362 411.000000
5 269.531677 -616.621704 462.000000
6 270.295959 -616.597046 431.000000
7 271.060364 -616.572144 518.000000
8 271.824768 -616.547241 487.000000
9 272.589050 -616.522339 396.000000
10 265.680481 -615.822632 518.000000
11 266.444763 -615.798218 523.000000
12 267.209045 -615.773682 548.000000
13 267.973328 -615.749146 579.000000
14 268.737610 -615.724487 547.000000
15 269.501892 -615.699829 538.000000
16 270.266174 -615.675049 640.000000
17 271.030334 -615.650269 608.000000
18 260.301697 -615.069458 335.000000
19 261.065857 -615.045532 431.000000
20 261.830139 -615.021606 457.000000
21 262.594299 -614.997559 414.000000
22 263.358459 -614.973511 426.000000

23 264.122742 -614.949341 426.000000
24 264.886902 -614.924927 388.000000
25 265.651062 -614.900635 388.000000
26 266.415344 -614.876343 365.000000
27 267.179504 -614.851807 386.000000
28 267.943665 -614.827271 396.000000
29 268.707825 -614.802612 426.000000
30 269.471985 -614.777954 446.000000
31 270.236267 -614.753174 441.000000
32 271.000427 -614.728394 457.000000
33 271.764587 -614.703491 465.000000
34 272.528748 -614.678589 442.000000
35 273.293030 -614.653442 426.000000
36 260.272888 -614.147583 304.000000
37 261.036926 -614.123657 304.000000
38 261.801086 -614.099731 319.000000
39 262.565247 -614.075684 334.000000
40 263.329407 -614.051636 370.000000
41 264.093567 -614.027344 405.000000
42 264.857605 -614.003052 409.000000
43 265.621765 -613.978760 450.000000
44 266.385803 -613.954346 518.000000
45 267.149963 -613.929932 609.000000
46 267.914124 -613.905396 534.000000
47 268.678162 -613.880737 517.000000
48 269.442200 -613.856079 575.000000
49 270.206360 -613.831299 600.000000
50 270.970520 -613.806519 609.000000
51 271.734558 -613.781616 609.000000
52 272.498596 -613.756714 561.000000
53 261.008118 -613.201782 335.000000
54 261.772156 -613.177856 432.000000
55 262.536194 -613.153809 487.000000
56 263.300232 -613.129639 499.000000
57 264.064270 -613.105469 514.000000
58 264.828308 -613.081177 442.000000
59 265.592346 -613.056885 439.000000
60 266.356384 -613.032471 395.000000
61 267.120422 -613.007935 400.000000
62 267.884460 -612.983521 426.000000
63 268.648499 -612.958862 487.000000
64 269.412415 -612.934204 548.000000
65 270.176453 -612.909424 548.000000
66 270.940491 -612.884644 548.000000
67 271.704529 -612.859741 535.000000
68 261.743225 -612.255981 304.000000
69 262.507141 -612.231812 334.000000
70 263.271179 -612.207764 396.000000
71 264.035095 -612.183594 457.000000
72 264.799011 -612.159302 457.000000
73 265.563049 -612.135010 426.000000
74 266.326965 -612.110596 411.000000
75 267.090881 -612.086182 406.000000
76 267.854797 -612.061646 396.000000
77 268.618713 -612.036987 401.000000
78 269.382629 -612.012329 397.000000

79 261.714294 -611.334106 322.000000
80 262.478088 -611.309937 334.000000
81 777.710144 -1118.01306 0.00000000E+00
82 779.970764 -1115.93896 0.00000000E+00
83 780.696716 -1114.93750 0.00000000E+00
84 781.422424 -1113.93604 0.00000000E+00
85 785.606995 -1106.06689 0.00000000E+00
86 789.226868 -1101.05811 0.00000000E+00
87 789.783264 -1098.19727 0.00000000E+00
88 791.229431 -1096.19348 1.00000000
89 791.145813 -1095.26416 1.00000000
90 791.784729 -1093.33289 1.00000000
91 791.700989 -1092.40356 1.00000000
92 792.339539 -1090.47253 1.00000000
93 792.255920 -1089.54321 1.00000000
94 792.172058 -1088.61401 1.00000000
95 792.088196 -1087.68494 1.00000000
96 792.004456 -1086.75574 0.00000000E+00
97 791.920715 -1085.82666 0.00000000E+00
98 791.753235 -1083.96826 0.00000000E+00
99 792.558533 -1083.89575 1.00000000
100 792.474670 -1082.96667 1.00000000
101 791.585754 -1082.11023 0.00000000E+00
102 792.390930 -1082.03760 1.00000000
103 791.502014 -1081.18127 0.00000000E+00
104 792.307068 -1081.10864 1.00000000
105 791.418152 -1080.25220 1.00000000
106 791.334412 -1079.32324 1.00000000
107 790.445862 -1078.46667 0.00000000E+00
108 791.250549 -1078.39417 1.00000000
109 790.362244 -1077.53772 0.00000000E+00
110 791.166931 -1077.46521 1.00000000
111 790.278625 -1076.60876 0.00000000E+00
112 790.194885 -1075.67993 0.00000000E+00
113 790.111267 -1074.75098 1.00000000
114 789.223206 -1073.89453 0.00000000E+00
115 789.139709 -1072.96558 0.00000000E+00
116 788.251770 -1072.10913 0.00000000E+00
117 788.168274 -1071.18030 1.00000000
118 787.280823 -1070.32373 0.00000000E+00
119 786.393372 -1069.46704 0.00000000E+00
120 785.506165 -1068.61035 0.00000000E+00

Surface Met Station UTM's (n,x,y):

Control-file POINT Sources : 1
EMARB-file POINT Sources : 0
Control-file AREA Sources : 0
EMARB-file AREA Sources : 0
Control-file LINE Sources : 0
EMARB-file LINE Sources : 0
Control-file VOLUME Sources: 0
EMARB-file VOLUME Sources : 0

Source Names
UNIT 2

INPUT FILES

Default Name	Unit No.	File Name and Path
CALPOST.INP	5	CT_RODE_DSI_01B_CACR.INP
MODEL.DAT	4	pu_rode_dsi_01b.flx

OUTPUT FILES

Default Name	Unit No.	File Name and Path
CALPOST.LST	8	ct_rode_dsi_01b_cacr.lst

CALPOST Version 6.221 Level 080724

24HR VISIBILITY

VISIB BOESNCFG

(1/Mega-m)

START TIME		Modeled Extinction by Species											
Small	Large	SSalt	COORDINATES (km)					TYPE			BEXT(Model)	BEXT(BKG)	BEXT(Total)
YEAR	DAY	HR	RECEPTOR	bxSO4	bxNO3	bxOC	bxEC	bxPMC	bxPMF	bxNO2	F(RH)	F(RH)	F(RH)
2000	366	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2001	1	23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900							
2001	2	23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900							
2001	3	23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900							
2001	4	23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900							
2001	5	23	9	272.589	-616.522	D	0.495	22.161	22.656	2.23	0.183	0.297	0.014
0.000	0.000	0.001	0.000	3.850	2.770	3.900							
2001	6	23	35	273.293	-614.653	D	0.037	22.161	22.198	0.17	0.013	0.023	0.001
0.000	0.000	0.000	0.000	3.850	2.770	3.900							
2001	7	23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000

0.000	0.000	0.000	0.000	3.850	2.770	3.900							
2001	8 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900							
2001	9 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900							
2001	10 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900							
2001	11 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900							
2001	12 23	18	260.302	-615.069	D	0.457	22.161	22.618	2.06	0.218	0.212	0.011	
0.000	0.000	0.000	0.015	3.850	2.770	3.900							
2001	13 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900							
2001	14 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900							
2001	15 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900							
2001	16 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900							
2001	17 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900							
2001	18 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900							
2001	19 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900							
2001	20 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900							
2001	21 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900							
2001	22 23	3	271.855	-617.469	D	0.004	22.161	22.165	0.02	0.002	0.002	0.000	
0.000	0.000	0.000	0.000	3.850	2.770	3.900							
2001	23 23	3	271.855	-617.469	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900							
2001	24 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900							
2001	25 23	9	272.589	-616.522	D	0.167	22.161	22.327	0.75	0.042	0.119	0.005	
0.000	0.000	0.000	0.000	3.850	2.770	3.900							
2001	26 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900							
2001	27 23	18	260.302	-615.069	D	0.616	22.161	22.777	2.78	0.300	0.269	0.029	
0.001	0.001	0.001	0.015	3.850	2.770	3.900							
2001	28 23	67	271.705	-612.860	D	0.069	22.161	22.230	0.31	0.015	0.043	0.004	
0.000	0.000	0.000	0.006	3.850	2.770	3.900							
2001	29 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900							
2001	30 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900							
2001	31 23	1	270.326	-617.519	D	0.000	22.161	22.161	0.00	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.850	2.770	3.900							
2001	32 23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2001	33 23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2001	34 23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2001	35 23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000	0.000

0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2001	36	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2001	37	23	35	273.293	-614.653	D	0.002	21.835	21.837	0.01	0.001	0.001	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2001	38	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2001	39	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2001	40	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2001	41	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2001	42	23	18	260.302	-615.069	D	0.255	21.835	22.090	1.17	0.138	0.111	0.002
0.000	0.000	0.000	0.004	3.440	2.530	3.520							
2001	43	23	3	271.855	-617.469	D	1.441	21.835	23.276	6.60	0.809	0.588	0.023
0.000	0.001	0.001	0.019	3.440	2.530	3.520							
2001	44	23	35	273.293	-614.653	D	0.568	21.835	22.403	2.60	0.331	0.222	0.010
0.000	0.000	0.000	0.003	3.440	2.530	3.520							
2001	45	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2001	46	23	2	271.090	-617.494	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2001	47	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2001	48	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2001	49	23	9	272.589	-616.522	D	0.186	21.835	22.020	0.85	0.071	0.109	0.005
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2001	50	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2001	51	23	3	271.855	-617.469	D	0.963	21.835	22.798	4.41	0.471	0.469	0.019
0.000	0.001	0.001	0.003	3.440	2.530	3.520							
2001	52	23	35	273.293	-614.653	D	0.074	21.835	21.909	0.34	0.036	0.037	0.001
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2001	53	23	3	271.855	-617.469	D	0.033	21.835	21.868	0.15	0.021	0.012	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2001	54	23	35	273.293	-614.653	D	0.116	21.835	21.951	0.53	0.019	0.082	0.007
0.000	0.000	0.000	0.007	3.440	2.530	3.520							
2001	55	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2001	56	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2001	57	23	3	271.855	-617.469	D	0.001	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2001	58	23	1	270.326	-617.519	D	0.000	21.835	21.835	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2001	59	23	3	271.855	-617.469	D	0.001	21.835	21.836	0.00	0.000	0.001	0.000
0.000	0.000	0.000	0.000	3.440	2.530	3.520							
2001	60	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2001	61	23	3	271.855	-617.469	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2001	62	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2001	63	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000

0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2001	64	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2001	65	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2001	66	23	2	271.090	-617.494	D	0.049	21.600	21.649	0.23	0.036	0.012	0.001
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2001	67	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2001	68	23	18	260.302	-615.069	D	0.028	21.600	21.628	0.13	0.012	0.015	0.001
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2001	69	23	35	273.293	-614.653	D	0.831	21.600	22.431	3.85	0.319	0.481	0.028
0.000	0.001	0.001	0.000	3.140	2.370	3.310							
2001	70	23	18	260.302	-615.069	D	0.012	21.600	21.612	0.06	0.001	0.009	0.000
0.000	0.000	0.000	0.002	3.140	2.370	3.310							
2001	71	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2001	72	23	35	273.293	-614.653	D	0.006	21.600	21.606	0.03	0.003	0.003	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2001	73	23	8	271.825	-616.547	D	0.283	21.600	21.883	1.31	0.056	0.217	0.003
0.000	0.000	0.000	0.007	3.140	2.370	3.310							
2001	74	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2001	75	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2001	76	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2001	77	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2001	78	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2001	79	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2001	80	23	35	273.293	-614.653	D	0.010	21.600	21.610	0.05	0.007	0.003	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2001	81	23	35	273.293	-614.653	D	0.122	21.600	21.722	0.56	0.081	0.036	0.004
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2001	82	23	35	273.293	-614.653	D	0.045	21.600	21.645	0.21	0.025	0.019	0.001
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2001	83	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2001	84	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2001	85	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2001	86	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2001	87	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2001	88	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2001	89	23	1	270.326	-617.519	D	0.000	21.600	21.600	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2001	90	23	9	272.589	-616.522	D	0.001	21.600	21.601	0.00	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.140	2.370	3.310							
2001	91	23	35	273.293	-614.653	D	0.003	21.680	21.682	0.01	0.002	0.001	0.000

0.000	0.001	0.001	0.000	3.240	2.430	3.410							
2001	120	23	78	269.383	-612.012	D	0.061	21.680	21.741	0.28	0.053	0.004	0.004
0.000	0.000	0.000	0.000	3.240	2.430	3.410							
2001	121	23	35	273.293	-614.653	D	0.009	22.015	22.024	0.04	0.007	0.001	0.001
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2001	122	23	35	273.293	-614.653	D	0.142	22.015	22.157	0.64	0.117	0.016	0.008
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2001	123	23	18	260.302	-615.069	D	0.411	22.015	22.427	1.87	0.154	0.235	0.018
0.000	0.001	0.001	0.003	3.660	2.680	3.830							
2001	124	23	35	273.293	-614.653	D	0.067	22.015	22.083	0.31	0.012	0.053	0.002
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2001	125	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2001	126	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2001	127	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2001	128	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2001	129	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2001	130	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2001	131	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2001	132	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2001	133	23	3	271.855	-617.469	D	0.001	22.015	22.016	0.00	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2001	134	23	3	271.855	-617.469	D	0.039	22.015	22.055	0.18	0.024	0.015	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2001	135	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2001	136	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2001	137	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2001	138	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2001	139	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2001	140	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2001	141	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2001	142	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2001	143	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2001	144	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2001	145	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2001	146	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2001	147	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000

0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2001	148	23	3	271.855	-617.469	D	0.046	22.015	22.062	0.21	0.036	0.010	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2001	149	23	35	273.293	-614.653	D	0.011	22.015	22.027	0.05	0.008	0.003	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2001	150	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2001	151	23	1	270.326	-617.519	D	0.000	22.015	22.015	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.660	2.680	3.830							
2001	152	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2001	153	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2001	154	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2001	155	23	35	273.293	-614.653	D	0.884	22.055	22.940	4.01	0.498	0.348	0.027
0.000	0.001	0.001	0.010	3.710	2.710	3.880							
2001	156	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2001	157	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2001	158	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2001	159	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2001	160	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2001	161	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2001	162	23	9	272.589	-616.522	D	0.387	22.055	22.442	1.75	0.318	0.055	0.013
0.000	0.000	0.001	0.000	3.710	2.710	3.880							
2001	163	23	35	273.293	-614.653	D	0.355	22.055	22.410	1.61	0.216	0.131	0.007
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2001	164	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2001	165	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2001	166	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2001	167	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2001	168	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2001	169	23	18	260.302	-615.069	D	0.532	22.055	22.587	2.41	0.376	0.141	0.014
0.000	0.000	0.001	0.000	3.710	2.710	3.880							
2001	170	23	79	261.714	-611.334	D	0.105	22.055	22.161	0.48	0.058	0.045	0.002
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2001	171	23	3	271.855	-617.469	D	0.003	22.055	22.058	0.01	0.002	0.001	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2001	172	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2001	173	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2001	174	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2001	175	23	18	260.302	-615.069	D	0.018	22.055	22.073	0.08	0.011	0.006	0.000

0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2001	176	23	18	260.302	-615.069	D	0.674	22.055	22.730	3.06	0.444	0.215	0.014
0.000	0.000	0.001	0.000	3.710	2.710	3.880							
2001	177	23	35	273.293	-614.653	D	0.703	22.055	22.758	3.19	0.427	0.262	0.012
0.000	0.000	0.001	0.000	3.710	2.710	3.880							
2001	178	23	35	273.293	-614.653	D	0.029	22.055	22.084	0.13	0.016	0.012	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2001	179	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2001	180	23	1	270.326	-617.519	D	0.000	22.055	22.055	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2001	181	23	3	271.855	-617.469	D	0.040	22.055	22.096	0.18	0.012	0.029	0.000
0.000	0.000	0.000	0.000	3.710	2.710	3.880							
2001	182	23	9	272.589	-616.522	D	0.269	21.881	22.150	1.23	0.172	0.095	0.001
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2001	183	23	3	271.855	-617.469	D	0.289	21.881	22.170	1.32	0.232	0.056	0.001
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2001	184	23	35	273.293	-614.653	D	0.069	21.881	21.951	0.32	0.056	0.013	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2001	185	23	9	272.589	-616.522	D	0.003	21.881	21.884	0.01	0.003	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2001	186	23	3	271.855	-617.469	D	0.000	21.881	21.882	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2001	187	23	3	271.855	-617.469	D	0.023	21.881	21.905	0.11	0.019	0.004	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2001	188	23	9	272.589	-616.522	D	0.215	21.881	22.097	0.98	0.172	0.041	0.002
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2001	189	23	35	273.293	-614.653	D	0.020	21.881	21.902	0.09	0.019	0.002	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2001	190	23	35	273.293	-614.653	D	0.002	21.881	21.884	0.01	0.002	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2001	191	23	2	271.090	-617.494	D	0.000	21.881	21.882	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2001	192	23	1	270.326	-617.519	D	0.000	21.881	21.882	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2001	193	23	1	270.326	-617.519	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2001	194	23	1	270.326	-617.519	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2001	195	23	1	270.326	-617.519	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2001	196	23	3	271.855	-617.469	D	0.774	21.881	22.655	3.54	0.413	0.345	0.015
0.000	0.000	0.001	0.000	3.490	2.590	3.690							
2001	197	23	80	262.478	-611.310	D	0.139	21.881	22.020	0.64	0.077	0.060	0.002
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2001	198	23	3	271.855	-617.469	D	0.001	21.881	21.883	0.01	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2001	199	23	3	271.855	-617.469	D	0.558	21.881	22.439	2.55	0.375	0.171	0.011
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2001	200	23	35	273.293	-614.653	D	1.118	21.881	22.999	5.11	0.756	0.340	0.020
0.000	0.001	0.001	0.000	3.490	2.590	3.690							
2001	201	23	3	271.855	-617.469	D	0.872	21.881	22.753	3.98	0.664	0.191	0.016
0.000	0.000	0.001	0.000	3.490	2.590	3.690							
2001	202	23	3	271.855	-617.469	D	0.634	21.881	22.515	2.90	0.512	0.111	0.010
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2001	203	23	18	260.302	-615.069	D	0.090	21.881	21.971	0.41	0.071	0.017	0.001

0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2001	204	23	18	260.302	-615.069	D	0.163	21.881	22.044	0.75	0.125	0.033	0.004
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2001	205	23	1	270.326	-617.519	D	0.307	21.881	22.189	1.40	0.220	0.081	0.006
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2001	206	23	18	260.302	-615.069	D	0.337	21.881	22.218	1.54	0.212	0.119	0.005
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2001	207	23	2	271.090	-617.494	D	0.053	21.881	21.935	0.24	0.035	0.017	0.001
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2001	208	23	3	271.855	-617.469	D	0.006	21.881	21.887	0.03	0.005	0.001	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2001	209	23	1	270.326	-617.519	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2001	210	23	1	270.326	-617.519	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2001	211	23	1	270.326	-617.519	D	0.000	21.881	21.881	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2001	212	23	3	271.855	-617.469	D	0.067	21.881	21.949	0.31	0.061	0.006	0.001
0.000	0.000	0.000	0.000	3.490	2.590	3.690							
2001	213	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2001	214	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2001	215	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2001	216	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2001	217	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2001	218	23	1	270.326	-617.519	D	0.002	21.896	21.898	0.01	0.002	0.001	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2001	219	23	3	271.855	-617.469	D	0.275	21.896	22.171	1.26	0.159	0.111	0.005
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2001	220	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2001	221	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2001	222	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2001	223	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2001	224	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2001	225	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2001	226	23	3	271.855	-617.469	D	0.035	21.896	21.930	0.16	0.032	0.001	0.001
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2001	227	23	35	273.293	-614.653	D	0.010	21.896	21.906	0.05	0.008	0.002	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2001	228	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2001	229	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2001	230	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2001	231	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000

0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2001	232	23	3	271.855	-617.469	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2001	233	23	3	271.855	-617.469	D	0.145	21.896	22.041	0.66	0.115	0.028	0.002
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2001	234	23	35	273.293	-614.653	D	0.094	21.896	21.990	0.43	0.073	0.020	0.001
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2001	235	23	35	273.293	-614.653	D	0.097	21.896	21.993	0.44	0.062	0.033	0.002
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2001	236	23	9	272.589	-616.522	D	0.086	21.896	21.982	0.39	0.049	0.034	0.002
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2001	237	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2001	238	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2001	239	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2001	240	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2001	241	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2001	242	23	1	270.326	-617.519	D	0.000	21.896	21.896	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.510	2.600	3.680							
2001	243	23	3	271.855	-617.469	D	0.089	21.896	21.984	0.40	0.054	0.033	0.000
0.000	0.000	0.000	0.002	3.510	2.600	3.680							
2001	244	23	3	271.855	-617.469	D	0.097	22.067	22.164	0.44	0.020	0.076	0.000
0.000	0.000	0.000	0.001	3.730	2.710	3.820							
2001	245	23	3	271.855	-617.469	D	0.021	22.067	22.089	0.10	0.011	0.011	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2001	246	23	1	270.326	-617.519	D	0.048	22.067	22.115	0.22	0.030	0.018	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2001	247	23	3	271.855	-617.469	D	0.007	22.067	22.074	0.03	0.004	0.003	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2001	248	23	35	273.293	-614.653	D	0.040	22.067	22.107	0.18	0.029	0.011	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2001	249	23	35	273.293	-614.653	D	0.001	22.067	22.069	0.01	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2001	250	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2001	251	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2001	252	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2001	253	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2001	254	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2001	255	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2001	256	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2001	257	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2001	258	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2001	259	23	3	271.855	-617.469	D	0.242	22.067	22.309	1.10	0.154	0.084	0.004

0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2001	260	23	35	273.293	-614.653	D	0.079	22.067	22.147	0.36	0.055	0.023	0.001
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2001	261	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2001	262	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2001	263	23	3	271.855	-617.469	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2001	264	23	1	270.326	-617.519	D	0.028	22.067	22.095	0.13	0.016	0.012	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2001	265	23	3	271.855	-617.469	D	0.190	22.067	22.257	0.86	0.123	0.066	0.001
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2001	266	23	3	271.855	-617.469	D	0.024	22.067	22.091	0.11	0.017	0.006	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2001	267	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2001	268	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2001	269	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2001	270	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2001	271	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2001	272	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2001	273	23	1	270.326	-617.519	D	0.000	22.067	22.067	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.730	2.710	3.820							
2001	274	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2001	275	23	9	272.589	-616.522	D	0.123	22.056	22.179	0.56	0.083	0.037	0.003
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2001	276	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2001	277	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2001	278	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2001	279	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2001	280	23	18	260.302	-615.069	D	0.046	22.056	22.102	0.21	0.032	0.012	0.002
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2001	281	23	3	271.855	-617.469	D	2.582	22.056	24.639	11.71	1.287	1.061	0.151
0.003	0.004	0.007	0.071	3.720	2.690	3.760							
2001	282	23	35	273.293	-614.653	D	0.823	22.056	22.879	3.73	0.396	0.355	0.040
0.001	0.001	0.002	0.029	3.720	2.690	3.760							
2001	283	23	18	260.302	-615.069	D	0.088	22.056	22.145	0.40	0.002	0.079	0.000
0.000	0.000	0.000	0.007	3.720	2.690	3.760							
2001	284	23	3	271.855	-617.469	D	0.368	22.056	22.424	1.67	0.201	0.154	0.009
0.000	0.000	0.000	0.002	3.720	2.690	3.760							
2001	285	23	35	273.293	-614.653	D	0.126	22.056	22.182	0.57	0.061	0.057	0.003
0.000	0.000	0.000	0.006	3.720	2.690	3.760							
2001	286	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2001	287	23	3	271.855	-617.469	D	0.156	22.056	22.212	0.71	0.127	0.017	0.010

0.000	0.000	0.000	0.001	3.720	2.690	3.760							
2001	288	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2001	289	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2001	290	23	3	271.855	-617.469	D	1.794	22.056	23.850	8.13	0.639	1.104	0.046
0.001	0.001	0.002	0.001	3.720	2.690	3.760							
2001	291	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2001	292	23	35	273.293	-614.653	D	0.000	22.056	22.057	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2001	293	23	35	273.293	-614.653	D	0.009	22.056	22.066	0.04	0.004	0.005	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2001	294	23	35	273.293	-614.653	D	0.000	22.056	22.057	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2001	295	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2001	296	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2001	297	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2001	298	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2001	299	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2001	300	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2001	301	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2001	302	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2001	303	23	3	271.855	-617.469	D	0.715	22.056	22.771	3.24	0.302	0.394	0.017
0.000	0.000	0.001	0.000	3.720	2.690	3.760							
2001	304	23	1	270.326	-617.519	D	0.000	22.056	22.056	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.720	2.690	3.760							
2001	305	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2001	306	23	3	271.855	-617.469	D	0.202	22.027	22.229	0.92	0.109	0.087	0.005
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2001	307	23	18	260.302	-615.069	D	0.001	22.027	22.028	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2001	308	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2001	309	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2001	310	23	1	270.326	-617.519	D	0.002	22.027	22.029	0.01	0.001	0.001	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2001	311	23	3	271.855	-617.469	D	0.039	22.027	22.066	0.18	0.022	0.017	0.001
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2001	312	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2001	313	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2001	314	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2001	315	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000

0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2001	316	23	18	260.302	-615.069	D	0.458	22.027	22.486	2.08	0.198	0.249	0.010
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2001	317	23	19	261.066	-615.046	D	2.059	22.027	24.086	9.35	0.636	1.353	0.053
0.001	0.001	0.002	0.012	3.680	2.670	3.770							
2001	318	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2001	319	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2001	320	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2001	321	23	3	271.855	-617.469	D	0.381	22.027	22.408	1.73	0.181	0.191	0.009
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2001	322	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2001	323	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2001	324	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2001	325	23	35	273.293	-614.653	D	1.666	22.027	23.693	7.56	0.606	1.003	0.051
0.001	0.001	0.002	0.002	3.680	2.670	3.770							
2001	326	23	35	273.293	-614.653	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2001	327	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2001	328	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2001	329	23	35	273.293	-614.653	D	1.335	22.027	23.362	6.06	0.281	0.900	0.080
0.001	0.002	0.004	0.067	3.680	2.670	3.770							
2001	330	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2001	331	23	3	271.855	-617.469	D	0.001	22.027	22.028	0.00	0.000	0.001	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2001	332	23	18	260.302	-615.069	D	0.001	22.027	22.028	0.00	0.000	0.001	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2001	333	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2001	334	23	1	270.326	-617.519	D	0.000	22.027	22.027	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.680	2.670	3.770							
2001	335	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2001	336	23	8	271.825	-616.547	D	2.302	22.185	24.487	10.38	1.427	0.786	0.075
0.001	0.002	0.003	0.008	3.880	2.790	3.930							
2001	337	23	35	273.293	-614.653	D	0.561	22.185	22.746	2.53	0.410	0.110	0.037
0.001	0.001	0.002	0.001	3.880	2.790	3.930							
2001	338	23	35	273.293	-614.653	D	0.004	22.185	22.188	0.02	0.002	0.001	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2001	339	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2001	340	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2001	341	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2001	342	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2001	343	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000

0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2001	344	23	3	271.855	-617.469	D	0.042	22.185	22.226	0.19	0.018	0.022	0.001
0.000	0.000	0.000	0.001	3.880	2.790	3.930							
2001	345	23	77	268.619	-612.037	D	0.148	22.185	22.333	0.67	0.016	0.109	0.002
0.000	0.000	0.000	0.021	3.880	2.790	3.930							
2001	346	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2001	347	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2001	348	23	8	271.825	-616.547	D	0.418	22.185	22.603	1.88	0.161	0.244	0.008
0.000	0.000	0.000	0.005	3.880	2.790	3.930							
2001	349	23	3	271.855	-617.469	D	0.162	22.185	22.347	0.73	0.050	0.085	0.001
0.000	0.000	0.000	0.025	3.880	2.790	3.930							
2001	350	23	3	271.855	-617.469	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2001	351	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2001	352	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2001	353	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2001	354	23	18	260.302	-615.069	D	1.708	22.185	23.893	7.70	0.875	0.764	0.059
0.001	0.002	0.003	0.005	3.880	2.790	3.930							
2001	355	23	35	273.293	-614.653	D	0.008	22.185	22.193	0.04	0.002	0.005	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2001	356	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2001	357	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2001	358	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2001	359	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2001	360	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2001	361	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2001	362	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							
2001	363	23	1	270.326	-617.519	D	0.000	22.185	22.185	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.880	2.790	3.930							

--- Ranked Daily Visibility Change ---

START TIME													Modeled Extinction by Species			
Small Large SSalt																
YEAR	DAY	HR	RECEPTOR	COORDINATES (km)			TYPE	BEXT(Model)	BEXT(BKG)	BEXT(Total)						
%CHANGE	bxSO4	bxNO3	bxOC	bxEC	bxPMC	bxPMF	bxNO2	F(RH)	F(RH)	F(RH)						
2001	281	23	3	271.855	-617.469	D	2.582	22.056	24.639	11.71	1.287	1.061	0.151			
0.003	0.004	0.007	0.071	3.720	2.690	3.760	1									
2001	336	23	8	271.825	-616.547	D	2.302	22.185	24.487	10.38	1.427	0.786	0.075			
0.001	0.002	0.003	0.008	3.880	2.790	3.930	2									
2001	317	23	19	261.066	-615.046	D	2.059	22.027	24.086	9.35	0.636	1.353	0.053			
0.001	0.001	0.002	0.012	3.680	2.670	3.770	3									
2001	290	23	3	271.855	-617.469	D	1.794	22.056	23.850	8.13	0.639	1.104	0.046			
0.001	0.001	0.002	0.001	3.720	2.690	3.760	4									

2001 354 23	18	260.302	-615.069	D	1.708	22.185	23.893	7.70	0.875	0.764	0.059
0.001	0.002	0.003	0.005	3.880	2.790	3.930	5				
2001 325 23	35	273.293	-614.653	D	1.666	22.027	23.693	7.56	0.606	1.003	0.051
0.001	0.001	0.002	0.002	3.680	2.670	3.770	6				
2001 43 23	3	271.855	-617.469	D	1.441	21.835	23.276	6.60	0.809	0.588	0.023
0.000	0.001	0.001	0.019	3.440	2.530	3.520	7				
2001 329 23	35	273.293	-614.653	D	1.335	22.027	23.362	6.06	0.281	0.900	0.080
0.001	0.002	0.004	0.067	3.680	2.670	3.770	8				
2001 200 23	35	273.293	-614.653	D	1.118	21.881	22.999	5.11	0.756	0.340	0.020
0.000	0.001	0.001	0.000	3.490	2.590	3.690	9				
2001 51 23	3	271.855	-617.469	D	0.963	21.835	22.798	4.41	0.471	0.469	0.019
0.000	0.001	0.001	0.003	3.440	2.530	3.520	10				
2001 155 23	35	273.293	-614.653	D	0.884	22.055	22.940	4.01	0.498	0.348	0.027
0.000	0.001	0.001	0.010	3.710	2.710	3.880	11				
2001 201 23	3	271.855	-617.469	D	0.872	21.881	22.753	3.98	0.664	0.191	0.016
0.000	0.000	0.001	0.000	3.490	2.590	3.690	12				
2001 69 23	35	273.293	-614.653	D	0.831	21.600	22.431	3.85	0.319	0.481	0.028
0.000	0.001	0.001	0.000	3.140	2.370	3.310	13				
2001 282 23	35	273.293	-614.653	D	0.823	22.056	22.879	3.73	0.396	0.355	0.040
0.001	0.001	0.002	0.029	3.720	2.690	3.760	14				
2001 196 23	3	271.855	-617.469	D	0.774	21.881	22.655	3.54	0.413	0.345	0.015
0.000	0.000	0.001	0.000	3.490	2.590	3.690	15				
2001 119 23	3	271.855	-617.469	D	0.722	21.680	22.401	3.33	0.389	0.310	0.021
0.000	0.001	0.001	0.000	3.240	2.430	3.410	16				
2001 303 23	3	271.855	-617.469	D	0.715	22.056	22.771	3.24	0.302	0.394	0.017
0.000	0.000	0.001	0.000	3.720	2.690	3.760	17				
2001 177 23	35	273.293	-614.653	D	0.703	22.055	22.758	3.19	0.427	0.262	0.012
0.000	0.000	0.001	0.000	3.710	2.710	3.880	18				
2001 176 23	18	260.302	-615.069	D	0.674	22.055	22.730	3.06	0.444	0.215	0.014
0.000	0.000	0.001	0.000	3.710	2.710	3.880	19				
2001 202 23	3	271.855	-617.469	D	0.634	21.881	22.515	2.90	0.512	0.111	0.010
0.000	0.000	0.000	0.000	3.490	2.590	3.690	20				
2001 27 23	18	260.302	-615.069	D	0.616	22.161	22.777	2.78	0.300	0.269	0.029
0.001	0.001	0.001	0.015	3.850	2.770	3.900	21				
2001 44 23	35	273.293	-614.653	D	0.568	21.835	22.403	2.60	0.331	0.222	0.010
0.000	0.000	0.000	0.003	3.440	2.530	3.520	22				

--- Number of days with Extinction Change => 5.0 % : 9
 --- Number of days with Extinction Change => 10.0 % : 2
 --- Largest Extinction Change = 11.71 %

 CALPOST Version 6.221 Level 080724

Run-Length VISIBILITY

VISIB BOESNCFG

(1/Mega-m)

RECEPTOR COORDINATES (km) TYPE BEXT(Model) BEXT(BKG) BEXT(Total) %CHANGE

3 271.855 -617.469 D 0.102 21.955 22.057 0.47

--- Number of recs with Extinction Change > 1.0 % : 0

--- Largest Extinction Change = 0.47 %

CALPOST Version 6.221 Level 080724

24HR VISIBILITY

VISIB BOESNCFG

(deciview)

START TIME		% of Modeled Extinction by Species																	
YEAR	DAY	HR	RECEPTOR	COORDINATES (km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF	%_NO2	F(RH)	F(RH)	F(RH)	
2000	366	23	1	270.326 -617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.880	2.790	3.930															
2001	1	23	1	270.326 -617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900															
2001	2	23	1	270.326 -617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900															
2001	3	23	1	270.326 -617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900															
2001	4	23	1	270.326 -617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900															
2001	5	23	9	272.589 -616.522	D	8.178	7.957	0.221	36.85	59.93	2.91	0.05	0.08						
0.13	0.04	3.850	2.770	3.900															
2001	6	23	35	273.293 -614.653	D	7.974	7.957	0.017	34.96	62.24	2.56	0.04	0.07						
0.12	0.02	3.850	2.770	3.900															
2001	7	23	1	270.326 -617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900															
2001	8	23	1	270.326 -617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900															
2001	9	23	1	270.326 -617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900															
2001	10	23	1	270.326 -617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900															
2001	11	23	1	270.326 -617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900															
2001	12	23	18	260.302 -615.069	D	8.162	7.957	0.204	47.79	46.29	2.34	0.04	0.07						
0.11	3.37	3.850	2.770	3.900															
2001	13	23	1	270.326 -617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

0.00	0.00	3.850	2.770	3.900										
2001	14	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900										
2001	15	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900										
2001	16	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900										
2001	17	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900										
2001	18	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900										
2001	19	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900										
2001	20	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900										
2001	21	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900										
2001	22	23	3	271.855	-617.469	D	7.959	7.957	0.002	56.10	42.28	1.50	0.03	0.04
0.07	0.00	3.850	2.770	3.900										
2001	23	23	3	271.855	-617.469	D	7.957	7.957	0.000	56.90	41.41	1.56	0.03	0.04
0.07	0.00	3.850	2.770	3.900										
2001	24	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900										
2001	25	23	9	272.589	-616.522	D	8.032	7.957	0.075	24.93	71.65	3.01	0.05	0.08
0.14	0.14	3.850	2.770	3.900										
2001	26	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900										
2001	27	23	18	260.302	-615.069	D	8.232	7.957	0.274	48.66	43.64	4.78	0.08	0.13
0.22	2.49	3.850	2.770	3.900										
2001	28	23	67	271.705	-612.860	D	7.988	7.957	0.031	21.64	63.18	6.52	0.11	0.18
0.29	8.06	3.850	2.770	3.900										
2001	29	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900										
2001	30	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900										
2001	31	23	1	270.326	-617.519	D	7.957	7.957	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.850	2.770	3.900										
2001	32	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.440	2.530	3.520										
2001	33	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.440	2.530	3.520										
2001	34	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.440	2.530	3.520										
2001	35	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.440	2.530	3.520										
2001	36	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.440	2.530	3.520										
2001	37	23	35	273.293	-614.653	D	7.810	7.809	0.001	41.33	49.21	7.50	0.13	0.21
0.34	1.29	3.440	2.530	3.520										
2001	38	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.440	2.530	3.520										
2001	39	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.440	2.530	3.520										
2001	40	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.440	2.530	3.520										
2001	41	23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00

0.00	0.00	3.440	2.530	3.520										
2001	42 23	18	260.302	-615.069	D	7.925	7.809	0.116	54.19	43.45	0.67	0.01	0.02	
0.03	1.63	3.440	2.530	3.520										
2001	43 23	3	271.855	-617.469	D	8.448	7.809	0.639	56.17	40.80	1.56	0.03	0.04	
0.07	1.33	3.440	2.530	3.520										
2001	44 23	35	273.293	-614.653	D	8.066	7.809	0.257	58.28	39.16	1.78	0.03	0.05	
0.08	0.61	3.440	2.530	3.520										
2001	45 23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.440	2.530	3.520										
2001	46 23	2	271.090	-617.494	D	7.809	7.809	0.000	1.65	54.23	0.00	0.00	0.00	
0.00	43.81	3.440	2.530	3.520										
2001	47 23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.440	2.530	3.520										
2001	48 23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.440	2.530	3.520										
2001	49 23	9	272.589	-616.522	D	7.894	7.809	0.085	38.16	58.77	2.81	0.05	0.08	
0.13	0.01	3.440	2.530	3.520										
2001	50 23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.440	2.530	3.520										
2001	51 23	3	271.855	-617.469	D	8.241	7.809	0.432	48.91	48.64	1.98	0.03	0.06	
0.09	0.29	3.440	2.530	3.520										
2001	52 23	35	273.293	-614.653	D	7.843	7.809	0.034	48.04	49.93	1.70	0.03	0.05	
0.08	0.17	3.440	2.530	3.520										
2001	53 23	3	271.855	-617.469	D	7.824	7.809	0.015	62.13	36.32	1.41	0.02	0.04	
0.06	0.00	3.440	2.530	3.520										
2001	54 23	35	273.293	-614.653	D	7.862	7.809	0.053	16.33	70.68	6.39	0.11	0.18	
0.29	6.03	3.440	2.530	3.520										
2001	55 23	1	270.326	-617.519	D	7.809	7.809	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.440	2.530	3.520										
2001	56 23	1	270.326	-617.519	D	7.809	7.809	0.000	49.43	48.72	1.14	0.04	0.06	
0.09	0.05	3.440	2.530	3.520										
2001	57 23	3	271.855	-617.469	D	7.809	7.809	0.000	53.20	44.18	1.34	0.02	0.04	
0.06	1.09	3.440	2.530	3.520										
2001	58 23	1	270.326	-617.519	D	7.809	7.809	0.000	37.50	62.50	0.00	0.00	0.00	
0.00	8.23	3.440	2.530	3.520										
2001	59 23	3	271.855	-617.469	D	7.810	7.809	0.000	0.41	95.55	0.00	0.00	0.00	
0.00	4.07	3.440	2.530	3.520										
2001	60 23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	84.52	0.00	0.00	0.00	
0.00	13.77	3.140	2.370	3.310										
2001	61 23	3	271.855	-617.469	D	7.701	7.701	0.000	0.17	93.24	0.00	0.00	0.00	
0.00	7.07	3.140	2.370	3.310										
2001	62 23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	75.00	0.00	0.00	0.00	
0.00	8.67	3.140	2.370	3.310										
2001	63 23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.140	2.370	3.310										
2001	64 23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.140	2.370	3.310										
2001	65 23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.140	2.370	3.310										
2001	66 23	2	271.090	-617.494	D	7.724	7.701	0.023	71.96	25.21	2.59	0.05	0.07	
0.12	0.00	3.140	2.370	3.310										
2001	67 23	1	270.326	-617.519	D	7.701	7.701	0.000	50.23	48.86	1.36	0.03	0.05	
0.08	0.00	3.140	2.370	3.310										
2001	68 23	18	260.302	-615.069	D	7.714	7.701	0.013	42.98	53.58	3.15	0.05	0.09	
0.14	0.00	3.140	2.370	3.310										
2001	69 23	35	273.293	-614.653	D	8.079	7.701	0.378	38.41	57.88	3.38	0.06	0.10	

0.15	0.03	3.140	2.370	3.310										
2001	70	23	18	260.302	-615.069	D	7.707	7.701	0.006	7.44	74.09	0.45	0.01	0.01
0.02	17.98	3.140	2.370	3.310										
2001	71	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.140	2.370	3.310										
2001	72	23	35	273.293	-614.653	D	7.704	7.701	0.003	54.38	42.92	2.46	0.04	0.07
0.11	0.01	3.140	2.370	3.310										
2001	73	23	8	271.825	-616.547	D	7.831	7.701	0.130	19.90	76.65	0.93	0.02	0.03
0.04	2.44	3.140	2.370	3.310										
2001	74	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.140	2.370	3.310										
2001	75	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.140	2.370	3.310										
2001	76	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.140	2.370	3.310										
2001	77	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.140	2.370	3.310										
2001	78	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.140	2.370	3.310										
2001	79	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.140	2.370	3.310										
2001	80	23	35	273.293	-614.653	D	7.706	7.701	0.005	66.17	29.82	3.67	0.06	0.10
0.17	0.00	3.140	2.370	3.310										
2001	81	23	35	273.293	-614.653	D	7.757	7.701	0.056	66.87	29.48	3.34	0.06	0.09
0.15	0.00	3.140	2.370	3.310										
2001	82	23	35	273.293	-614.653	D	7.722	7.701	0.021	56.14	41.13	2.50	0.04	0.07
0.11	0.00	3.140	2.370	3.310										
2001	83	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.140	2.370	3.310										
2001	84	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.140	2.370	3.310										
2001	85	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.140	2.370	3.310										
2001	86	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.140	2.370	3.310										
2001	87	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.140	2.370	3.310										
2001	88	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.140	2.370	3.310										
2001	89	23	1	270.326	-617.519	D	7.701	7.701	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.140	2.370	3.310										
2001	90	23	9	272.589	-616.522	D	7.701	7.701	0.000	72.06	22.41	5.12	0.09	0.14
0.23	0.00	3.140	2.370	3.310										
2001	91	23	35	273.293	-614.653	D	7.739	7.738	0.001	71.91	22.75	4.89	0.09	0.14
0.22	0.00	3.240	2.430	3.410										
2001	92	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410										
2001	93	23	35	273.293	-614.653	D	7.738	7.738	0.000	84.25	11.17	3.94	0.07	0.11
0.18	0.23	3.240	2.430	3.410										
2001	94	23	35	273.293	-614.653	D	7.743	7.738	0.005	51.61	43.25	3.70	0.06	0.10
0.17	1.12	3.240	2.430	3.410										
2001	95	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410										
2001	96	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410										
2001	97	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00

0.00	0.00	3.240	2.430	3.410															
2001	98	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410															
2001	99	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410															
2001	100	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410															
2001	101	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410															
2001	102	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410															
2001	103	23	1	270.326	-617.519	D	7.797	7.738	0.059	34.72	60.39	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.01	4.72	3.240	2.430	3.410															
2001	104	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410															
2001	105	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410															
2001	106	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410															
2001	107	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410															
2001	108	23	3	271.855	-617.469	D	7.738	7.738	0.000	68.18	27.56	3.41	0.07	0.11	0.00	0.00	0.00	0.00	0.00
0.17	0.00	3.240	2.430	3.410															
2001	109	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410															
2001	110	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410															
2001	111	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410															
2001	112	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410															
2001	113	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410															
2001	114	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410															
2001	115	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410															
2001	116	23	1	270.326	-617.519	D	7.738	7.738	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.240	2.430	3.410															
2001	117	23	1	270.326	-617.519	D	7.756	7.738	0.018	90.16	7.15	2.47	0.04	0.07	0.00	0.00	0.00	0.00	0.00
0.11	0.00	3.240	2.430	3.410															
2001	118	23	18	260.302	-615.069	D	7.807	7.738	0.069	62.62	34.88	2.29	0.04	0.06	0.00	0.00	0.00	0.00	0.00
0.10	0.00	3.240	2.430	3.410															
2001	119	23	3	271.855	-617.469	D	8.065	7.738	0.327	53.84	42.91	2.96	0.05	0.08	0.00	0.00	0.00	0.00	0.00
0.13	0.02	3.240	2.430	3.410															
2001	120	23	78	269.383	-612.012	D	7.766	7.738	0.028	86.51	6.33	6.56	0.11	0.18	0.00	0.00	0.00	0.00	0.00
0.30	0.00	3.240	2.430	3.410															
2001	121	23	35	273.293	-614.653	D	7.895	7.892	0.004	85.70	7.84	5.92	0.10	0.17	0.00	0.00	0.00	0.00	0.00
0.27	0.01	3.660	2.680	3.830															
2001	122	23	35	273.293	-614.653	D	7.956	7.892	0.064	82.48	11.31	5.65	0.10	0.16	0.00	0.00	0.00	0.00	0.00
0.25	0.05	3.660	2.680	3.830															
2001	123	23	18	260.302	-615.069	D	8.077	7.892	0.185	37.47	57.13	4.33	0.08	0.12	0.00	0.00	0.00	0.00	0.00
0.20	0.67	3.660	2.680	3.830															
2001	124	23	35	273.293	-614.653	D	7.922	7.892	0.031	17.54	78.52	3.40	0.06	0.10	0.00	0.00	0.00	0.00	0.00
0.15	0.23	3.660	2.680	3.830															
2001	125	23	1	270.326	-617.519	D	7.892	7.892	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

0.00	0.00	3.710	2.710	3.880										
2001	154	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.710	2.710	3.880										
2001	155	23	35	273.293	-614.653	D	8.303	7.910	0.393	56.26	39.31	3.07	0.05	0.09
0.14	1.09	3.710	2.710	3.880										
2001	156	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.710	2.710	3.880										
2001	157	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.710	2.710	3.880										
2001	158	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.710	2.710	3.880										
2001	159	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.710	2.710	3.880										
2001	160	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.710	2.710	3.880										
2001	161	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.710	2.710	3.880										
2001	162	23	9	272.589	-616.522	D	8.083	7.910	0.174	82.30	14.17	3.24	0.06	0.09
0.15	0.00	3.710	2.710	3.880										
2001	163	23	35	273.293	-614.653	D	8.069	7.910	0.160	60.86	36.93	2.03	0.04	0.06
0.09	0.00	3.710	2.710	3.880										
2001	164	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.710	2.710	3.880										
2001	165	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.710	2.710	3.880										
2001	166	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.710	2.710	3.880										
2001	167	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.710	2.710	3.880										
2001	168	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.710	2.710	3.880										
2001	169	23	18	260.302	-615.069	D	8.148	7.910	0.238	70.61	26.48	2.67	0.05	0.08
0.12	0.00	3.710	2.710	3.880										
2001	170	23	79	261.714	-611.334	D	7.957	7.910	0.048	54.95	43.08	1.81	0.03	0.05
0.08	0.00	3.710	2.710	3.880										
2001	171	23	3	271.855	-617.469	D	7.911	7.910	0.001	72.93	25.64	1.34	0.02	0.04
0.06	0.00	3.710	2.710	3.880										
2001	172	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.710	2.710	3.880										
2001	173	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.710	2.710	3.880										
2001	174	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.710	2.710	3.880										
2001	175	23	18	260.302	-615.069	D	7.918	7.910	0.008	63.43	34.74	1.68	0.03	0.05
0.08	0.00	3.710	2.710	3.880										
2001	176	23	18	260.302	-615.069	D	8.211	7.910	0.301	65.92	31.83	2.06	0.04	0.06
0.09	0.00	3.710	2.710	3.880										
2001	177	23	35	273.293	-614.653	D	8.223	7.910	0.314	60.80	37.32	1.73	0.03	0.05
0.08	0.00	3.710	2.710	3.880										
2001	178	23	35	273.293	-614.653	D	7.923	7.910	0.013	55.76	42.58	1.52	0.03	0.04
0.07	0.00	3.710	2.710	3.880										
2001	179	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.710	2.710	3.880										
2001	180	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.710	2.710	3.880										
2001	181	23	3	271.855	-617.469	D	7.928	7.910	0.018	28.87	71.03	0.07	0.00	0.00

0.00	0.02	3.710	2.710	3.880										
2001	182	23	9	272.589	-616.522	D	7.952	7.830	0.122	63.97	35.52	0.47	0.01	0.01
0.02	0.00	3.490	2.590	3.690										
2001	183	23	3	271.855	-617.469	D	7.962	7.830	0.131	80.22	19.23	0.51	0.01	0.01
0.02	0.00	3.490	2.590	3.690										
2001	184	23	35	273.293	-614.653	D	7.862	7.830	0.032	81.08	18.37	0.50	0.01	0.01
0.02	0.00	3.490	2.590	3.690										
2001	185	23	9	272.589	-616.522	D	7.832	7.830	0.001	89.46	10.06	0.42	0.01	0.01
0.02	0.00	3.490	2.590	3.690										
2001	186	23	3	271.855	-617.469	D	7.831	7.830	0.000	81.20	18.32	0.33	0.01	0.01
0.02	0.00	3.490	2.590	3.690										
2001	187	23	3	271.855	-617.469	D	7.841	7.830	0.011	82.26	17.02	0.66	0.01	0.02
0.03	0.00	3.490	2.590	3.690										
2001	188	23	9	272.589	-616.522	D	7.928	7.830	0.098	79.87	19.20	0.85	0.01	0.02
0.04	0.00	3.490	2.590	3.690										
2001	189	23	35	273.293	-614.653	D	7.840	7.830	0.009	92.14	7.47	0.35	0.01	0.01
0.02	0.00	3.490	2.590	3.690										
2001	190	23	35	273.293	-614.653	D	7.831	7.830	0.001	93.09	6.67	0.22	0.00	0.01
0.01	0.00	3.490	2.590	3.690										
2001	191	23	2	271.090	-617.494	D	7.831	7.830	0.000	98.21	1.45	0.12	0.00	0.00
0.01	0.00	3.490	2.590	3.690										
2001	192	23	1	270.326	-617.519	D	7.831	7.830	0.000	98.24	1.18	0.24	0.00	0.00
0.01	0.00	3.490	2.590	3.690										
2001	193	23	1	270.326	-617.519	D	7.831	7.830	0.000	99.09	1.30	0.00	0.00	0.00
0.01	0.00	3.490	2.590	3.690										
2001	194	23	1	270.326	-617.519	D	7.830	7.830	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.490	2.590	3.690										
2001	195	23	1	270.326	-617.519	D	7.830	7.830	0.000	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.490	2.590	3.690										
2001	196	23	3	271.855	-617.469	D	8.178	7.830	0.347	53.37	44.55	1.91	0.03	0.05
0.09	0.00	3.490	2.590	3.690										
2001	197	23	80	262.478	-611.310	D	7.894	7.830	0.063	55.13	43.14	1.59	0.03	0.04
0.07	0.00	3.490	2.590	3.690										
2001	198	23	3	271.855	-617.469	D	7.831	7.830	0.001	73.59	23.61	2.60	0.05	0.07
0.12	0.00	3.490	2.590	3.690										
2001	199	23	3	271.855	-617.469	D	8.082	7.830	0.252	67.18	30.73	1.93	0.03	0.05
0.09	0.00	3.490	2.590	3.690										
2001	200	23	35	273.293	-614.653	D	8.329	7.830	0.498	67.66	30.40	1.78	0.03	0.05
0.08	0.00	3.490	2.590	3.690										
2001	201	23	3	271.855	-617.469	D	8.221	7.830	0.391	76.12	21.91	1.81	0.03	0.05
0.08	0.00	3.490	2.590	3.690										
2001	202	23	3	271.855	-617.469	D	8.116	7.830	0.285	80.79	17.48	1.58	0.03	0.04
0.07	0.00	3.490	2.590	3.690										
2001	203	23	18	260.302	-615.069	D	7.871	7.830	0.041	79.31	18.99	1.56	0.03	0.04
0.07	0.00	3.490	2.590	3.690										
2001	204	23	18	260.302	-615.069	D	7.905	7.830	0.074	76.90	20.46	2.42	0.04	0.07
0.11	0.00	3.490	2.590	3.690										
2001	205	23	1	270.326	-617.519	D	7.970	7.830	0.139	71.47	26.50	1.86	0.03	0.05
0.08	0.00	3.490	2.590	3.690										
2001	206	23	18	260.302	-615.069	D	7.983	7.830	0.153	62.95	35.42	1.50	0.03	0.04
0.07	0.00	3.490	2.590	3.690										
2001	207	23	2	271.090	-617.494	D	7.855	7.830	0.024	66.18	32.45	1.26	0.02	0.04
0.06	0.00	3.490	2.590	3.690										
2001	208	23	3	271.855	-617.469	D	7.833	7.830	0.003	77.25	21.97	0.69	0.01	0.02
0.03	0.01	3.490	2.590	3.690										
2001	209	23	1	270.326	-617.519	D	7.831	7.830	0.000	96.30	1.27	0.93	0.01	0.02

0.03	0.00	3.490	2.590	3.690											
2001	210	23	1	270.326	-617.519	D	7.830	7.830	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.490	2.590	3.690											
2001	211	23	1	270.326	-617.519	D	7.830	7.830	0.000	85.94	11.98	0.00	0.00	0.00	0.00
0.01	0.01	3.490	2.590	3.690											
2001	212	23	3	271.855	-617.469	D	7.861	7.830	0.031	89.98	8.57	1.33	0.02	0.04	
0.06	0.00	3.490	2.590	3.690											
2001	213	23	1	270.326	-617.519	D	7.837	7.837	0.000	74.61	21.29	1.56	0.01	0.02	
0.03	0.00	3.510	2.600	3.680											
2001	214	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.510	2.600	3.680											
2001	215	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.510	2.600	3.680											
2001	216	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.510	2.600	3.680											
2001	217	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.510	2.600	3.680											
2001	218	23	1	270.326	-617.519	D	7.838	7.837	0.001	68.90	28.52	2.40	0.04	0.07	
0.11	0.00	3.510	2.600	3.680											
2001	219	23	3	271.855	-617.469	D	7.962	7.837	0.125	57.61	40.46	1.77	0.03	0.05	
0.08	0.00	3.510	2.600	3.680											
2001	220	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.510	2.600	3.680											
2001	221	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.510	2.600	3.680											
2001	222	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.510	2.600	3.680											
2001	223	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.510	2.600	3.680											
2001	224	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.510	2.600	3.680											
2001	225	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.510	2.600	3.680											
2001	226	23	3	271.855	-617.469	D	7.853	7.837	0.016	92.98	3.22	3.49	0.06	0.10	
0.16	0.00	3.510	2.600	3.680											
2001	227	23	35	273.293	-614.653	D	7.842	7.837	0.005	79.30	17.62	2.82	0.05	0.08	
0.13	0.00	3.510	2.600	3.680											
2001	228	23	1	270.326	-617.519	D	7.837	7.837	0.000	100.00	2.23	0.00	0.00	0.00	0.00
0.00	0.00	3.510	2.600	3.680											
2001	229	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.510	2.600	3.680											
2001	230	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.510	2.600	3.680											
2001	231	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.510	2.600	3.680											
2001	232	23	3	271.855	-617.469	D	7.837	7.837	0.000	71.20	27.48	0.77	0.02	0.03	
0.04	0.00	3.510	2.600	3.680											
2001	233	23	3	271.855	-617.469	D	7.903	7.837	0.066	79.03	19.36	1.48	0.03	0.04	
0.07	0.00	3.510	2.600	3.680											
2001	234	23	35	273.293	-614.653	D	7.880	7.837	0.043	77.16	21.22	1.48	0.03	0.04	
0.07	0.00	3.510	2.600	3.680											
2001	235	23	35	273.293	-614.653	D	7.881	7.837	0.044	64.18	33.55	2.08	0.04	0.06	
0.09	0.00	3.510	2.600	3.680											
2001	236	23	9	272.589	-616.522	D	7.876	7.837	0.039	56.99	39.97	2.78	0.05	0.08	
0.13	0.00	3.510	2.600	3.680											
2001	237	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	0.00

0.00	0.00	3.510	2.600	3.680															
2001	238	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.510	2.600	3.680															
2001	239	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.510	2.600	3.680															
2001	240	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.510	2.600	3.680															
2001	241	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.510	2.600	3.680															
2001	242	23	1	270.326	-617.519	D	7.837	7.837	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.510	2.600	3.680															
2001	243	23	3	271.855	-617.469	D	7.877	7.837	0.040	60.91	36.90	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	2.07	3.510	2.600	3.680															
2001	244	23	3	271.855	-617.469	D	7.959	7.915	0.044	20.81	78.12	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	1.02	3.730	2.710	3.820															
2001	245	23	3	271.855	-617.469	D	7.925	7.915	0.010	50.13	49.50	0.29	0.01	0.01	0.01	0.01	0.01	0.01	0.01
0.01	0.06	3.730	2.710	3.820															
2001	246	23	1	270.326	-617.519	D	7.937	7.915	0.022	62.91	36.80	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.01
0.01	0.00	3.730	2.710	3.820															
2001	247	23	3	271.855	-617.469	D	7.918	7.915	0.003	57.33	42.35	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.01
0.01	0.06	3.730	2.710	3.820															
2001	248	23	35	273.293	-614.653	D	7.933	7.915	0.018	71.75	27.42	0.75	0.01	0.01	0.01	0.01	0.01	0.01	0.02
0.03	0.01	3.730	2.710	3.820															
2001	249	23	35	273.293	-614.653	D	7.916	7.915	0.001	90.23	9.73	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.730	2.710	3.820															
2001	250	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.730	2.710	3.820															
2001	251	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.730	2.710	3.820															
2001	252	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.730	2.710	3.820															
2001	253	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.730	2.710	3.820															
2001	254	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.730	2.710	3.820															
2001	255	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.730	2.710	3.820															
2001	256	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.730	2.710	3.820															
2001	257	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.730	2.710	3.820															
2001	258	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.730	2.710	3.820															
2001	259	23	3	271.855	-617.469	D	8.024	7.915	0.109	63.45	34.81	1.59	0.03	0.03	0.03	0.03	0.03	0.03	0.04
0.07	0.00	3.730	2.710	3.820															
2001	260	23	35	273.293	-614.653	D	7.951	7.915	0.036	69.50	28.66	1.69	0.03	0.03	0.03	0.03	0.03	0.03	0.05
0.08	0.00	3.730	2.710	3.820															
2001	261	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.730	2.710	3.820															
2001	262	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.730	2.710	3.820															
2001	263	23	3	271.855	-617.469	D	7.915	7.915	0.000	48.29	51.03	0.34	0.01	0.01	0.01	0.01	0.01	0.01	0.01
0.01	0.02	3.730	2.710	3.820															
2001	264	23	1	270.326	-617.519	D	7.928	7.915	0.013	57.23	42.18	0.53	0.01	0.01	0.01	0.01	0.01	0.01	0.02
0.02	0.01	3.730	2.710	3.820															
2001	265	23	3	271.855	-617.469	D	8.001	7.915	0.086	64.80	34.55	0.53	0.01	0.01	0.01	0.01	0.01	0.01	0.01

0.02	0.07	3.730	2.710	3.820											
2001	266	23	3	271.855	-617.469	D	7.926	7.915	0.011	72.64	26.71	0.58	0.01	0.02	
0.03	0.01	3.730	2.710	3.820											
2001	267	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.730	2.710	3.820											
2001	268	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.730	2.710	3.820											
2001	269	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.730	2.710	3.820											
2001	270	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.730	2.710	3.820											
2001	271	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.730	2.710	3.820											
2001	272	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.730	2.710	3.820											
2001	273	23	1	270.326	-617.519	D	7.915	7.915	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.730	2.710	3.820											
2001	274	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.720	2.690	3.760											
2001	275	23	9	272.589	-616.522	D	7.966	7.910	0.055	67.36	30.34	2.11	0.04	0.06	
0.10	0.00	3.720	2.690	3.760											
2001	276	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.720	2.690	3.760											
2001	277	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.720	2.690	3.760											
2001	278	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.720	2.690	3.760											
2001	279	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.720	2.690	3.760											
2001	280	23	18	260.302	-615.069	D	7.931	7.910	0.021	70.32	25.84	3.52	0.06	0.10	
0.16	0.00	3.720	2.690	3.760											
2001	281	23	3	271.855	-617.469	D	9.017	7.910	1.107	49.83	41.07	5.83	0.10	0.16	
0.26	2.75	3.720	2.690	3.760											
2001	282	23	35	273.293	-614.653	D	8.277	7.910	0.366	48.07	43.19	4.81	0.08	0.14	
0.22	3.49	3.720	2.690	3.760											
2001	283	23	18	260.302	-615.069	D	7.950	7.910	0.040	1.92	89.88	0.03	0.00	0.00	
0.00	8.17	3.720	2.690	3.760											
2001	284	23	3	271.855	-617.469	D	8.075	7.910	0.165	54.67	42.04	2.45	0.04	0.07	
0.11	0.63	3.720	2.690	3.760											
2001	285	23	35	273.293	-614.653	D	7.967	7.910	0.057	48.13	45.03	2.11	0.04	0.06	
0.10	4.54	3.720	2.690	3.760											
2001	286	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.720	2.690	3.760											
2001	287	23	3	271.855	-617.469	D	7.981	7.910	0.070	81.56	11.08	6.31	0.11	0.18	
0.28	0.48	3.720	2.690	3.760											
2001	288	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.720	2.690	3.760											
2001	289	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.720	2.690	3.760											
2001	290	23	3	271.855	-617.469	D	8.692	7.910	0.782	35.64	61.53	2.56	0.04	0.07	
0.12	0.04	3.720	2.690	3.760											
2001	291	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00	
0.00	0.00	3.720	2.690	3.760											
2001	292	23	35	273.293	-614.653	D	7.910	7.910	0.000	59.83	37.38	2.00	0.03	0.05	
0.08	0.00	3.720	2.690	3.760											
2001	293	23	35	273.293	-614.653	D	7.914	7.910	0.004	47.07	51.24	1.56	0.03	0.04	

0.07	0.00	3.720	2.690	3.760															
2001	294	23	35	273.293	-614.653	D	7.910	7.910	0.000	29.87	66.59	2.54	0.04	0.07					
0.11	0.70	3.720	2.690	3.760															
2001	295	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	3.720	2.690	3.760															
2001	296	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	3.720	2.690	3.760															
2001	297	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	3.720	2.690	3.760															
2001	298	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	3.720	2.690	3.760															
2001	299	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	3.720	2.690	3.760															
2001	300	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	3.720	2.690	3.760															
2001	301	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	3.720	2.690	3.760															
2001	302	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	3.720	2.690	3.760															
2001	303	23	3	271.855	-617.469	D	8.229	7.910	0.319	42.27	55.12	2.38	0.04	0.07					
0.11	0.01	3.720	2.690	3.760															
2001	304	23	1	270.326	-617.519	D	7.910	7.910	0.000	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	3.720	2.690	3.760															
2001	305	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	3.680	2.670	3.770															
2001	306	23	3	271.855	-617.469	D	7.988	7.897	0.091	54.08	43.10	2.58	0.04	0.07					
0.12	0.01	3.680	2.670	3.770															
2001	307	23	18	260.302	-615.069	D	7.897	7.897	0.000	67.10	30.27	2.50	0.04	0.07					
0.11	0.00	3.680	2.670	3.770															
2001	308	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	3.680	2.670	3.770															
2001	309	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	3.680	2.670	3.770															
2001	310	23	1	270.326	-617.519	D	7.898	7.897	0.001	48.21	49.81	1.81	0.03	0.05					
0.08	0.00	3.680	2.670	3.770															
2001	311	23	3	271.855	-617.469	D	7.915	7.897	0.018	55.14	42.74	1.94	0.03	0.05					
0.09	0.00	3.680	2.670	3.770															
2001	312	23	1	270.326	-617.519	D	7.897	7.897	0.000	63.07	36.65	1.14	0.03	0.05					
0.07	0.00	3.680	2.670	3.770															
2001	313	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	3.680	2.670	3.770															
2001	314	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	3.680	2.670	3.770															
2001	315	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	3.680	2.670	3.770															
2001	316	23	18	260.302	-615.069	D	8.103	7.897	0.206	43.24	54.35	2.19	0.04	0.06					
0.10	0.03	3.680	2.670	3.770															
2001	317	23	19	261.066	-615.046	D	8.790	7.897	0.893	30.89	65.75	2.57	0.04	0.07					
0.12	0.56	3.680	2.670	3.770															
2001	318	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	3.680	2.670	3.770															
2001	319	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	3.680	2.670	3.770															
2001	320	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	3.680	2.670	3.770															
2001	321	23	3	271.855	-617.469	D	8.068	7.897	0.172	47.42	50.01	2.36	0.04	0.07					

0.11	0.00	3.680	2.670	3.770															
2001	322	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.680	2.670	3.770															
2001	323	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.680	2.670	3.770															
2001	324	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.680	2.670	3.770															
2001	325	23	35	273.293	-614.653	D	8.626	7.897	0.729	36.36	60.21	3.06	0.05	0.09					
0.14	0.10	3.680	2.670	3.770															
2001	326	23	35	273.293	-614.653	D	7.897	7.897	0.000	31.14	50.97	9.05	0.16	0.26					
0.42	8.27	3.680	2.670	3.770															
2001	327	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.680	2.670	3.770															
2001	328	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.680	2.670	3.770															
2001	329	23	35	273.293	-614.653	D	8.485	7.897	0.589	21.08	67.38	5.99	0.10	0.17					
0.27	5.01	3.680	2.670	3.770															
2001	330	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.680	2.670	3.770															
2001	331	23	3	271.855	-617.469	D	7.897	7.897	0.000	1.05	77.10	0.00	0.00	0.00					
0.00	21.79	3.680	2.670	3.770															
2001	332	23	18	260.302	-615.069	D	7.897	7.897	0.000	0.02	95.32	0.00	0.00	0.00					
0.00	4.75	3.680	2.670	3.770															
2001	333	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	53.12	0.00	0.00	0.00					
0.00	1.49	3.680	2.670	3.770															
2001	334	23	1	270.326	-617.519	D	7.897	7.897	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.680	2.670	3.770															
2001	335	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.880	2.790	3.930															
2001	336	23	8	271.825	-616.547	D	8.956	7.968	0.987	61.97	34.13	3.25	0.06	0.09					
0.15	0.37	3.880	2.790	3.930															
2001	337	23	35	273.293	-614.653	D	8.218	7.968	0.250	73.04	19.63	6.57	0.11	0.18					
0.30	0.17	3.880	2.790	3.930															
2001	338	23	35	273.293	-614.653	D	7.970	7.968	0.002	59.21	30.87	7.98	0.14	0.22					
0.36	1.21	3.880	2.790	3.930															
2001	339	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.880	2.790	3.930															
2001	340	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.880	2.790	3.930															
2001	341	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.880	2.790	3.930															
2001	342	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.880	2.790	3.930															
2001	343	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.880	2.790	3.930															
2001	344	23	3	271.855	-617.469	D	7.987	7.968	0.019	43.02	52.64	1.55	0.03	0.04					
0.07	2.65	3.880	2.790	3.930															
2001	345	23	77	268.619	-612.037	D	8.035	7.968	0.066	10.57	73.53	1.26	0.02	0.04					
0.06	14.52	3.880	2.790	3.930															
2001	346	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.880	2.790	3.930															
2001	347	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	3.880	2.790	3.930															
2001	348	23	8	271.825	-616.547	D	8.155	7.968	0.187	38.42	58.35	1.87	0.03	0.05					
0.08	1.19	3.880	2.790	3.930															
2001	349	23	3	271.855	-617.469	D	8.041	7.968	0.073	30.99	52.77	0.81	0.01	0.02					

0.04	15.36	3.880	2.790	3.930															
2001	350	23	3	271.855	-617.469	D	7.968	7.968	0.000	11.69	77.82	0.13	0.00	0.00					
0.01	10.12	3.880	2.790	3.930															
2001	351	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	3.880	2.790	3.930															
2001	352	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	3.880	2.790	3.930															
2001	353	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	3.880	2.790	3.930															
2001	354	23	18	260.302	-615.069	D	8.710	7.968	0.742	51.23	44.73	3.45	0.06	0.10					
0.16	0.27	3.880	2.790	3.930															
2001	355	23	35	273.293	-614.653	D	7.972	7.968	0.004	27.60	63.60	5.98	0.10	0.17					
0.27	2.26	3.880	2.790	3.930															
2001	356	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	3.880	2.790	3.930															
2001	357	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	3.880	2.790	3.930															
2001	358	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	3.880	2.790	3.930															
2001	359	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	3.880	2.790	3.930															
2001	360	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	3.880	2.790	3.930															
2001	361	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	3.880	2.790	3.930															
2001	362	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	3.880	2.790	3.930															
2001	363	23	1	270.326	-617.519	D	7.968	7.968	0.000	0.00	0.00	0.00	0.00	0.00					
0.00	0.00	3.880	2.790	3.930															

--- Ranked Daily Visibility Change ---

START TIME	% of Modeled Extinction by Species																		
Small Large SSalt																			
YEAR DAY HR RECEPTOR	COORDINATES (km)					TYPE	DV(Total)	DV(BKG)	DELTA	DV	%_SO4								
%_NO3	%_OC	%_EC	%_PMC	%_PMF	%_NO2	F(RH)	F(RH)	F(RH)											
2001	281	23	3	271.855	-617.469	D	9.017	7.910	1.107	49.83	41.07	5.83	0.10	0.16					
0.26	2.75	3.720	2.690	3.760	1														
2001	336	23	8	271.825	-616.547	D	8.956	7.968	0.987	61.97	34.13	3.25	0.06	0.09					
0.15	0.37	3.880	2.790	3.930	2														
2001	317	23	19	261.066	-615.046	D	8.790	7.897	0.893	30.89	65.75	2.57	0.04	0.07					
0.12	0.56	3.680	2.670	3.770	3														
2001	290	23	3	271.855	-617.469	D	8.692	7.910	0.782	35.64	61.53	2.56	0.04	0.07					
0.12	0.04	3.720	2.690	3.760	4														
2001	354	23	18	260.302	-615.069	D	8.710	7.968	0.742	51.23	44.73	3.45	0.06	0.10					
0.16	0.27	3.880	2.790	3.930	5														
2001	325	23	35	273.293	-614.653	D	8.626	7.897	0.729	36.36	60.21	3.06	0.05	0.09					
0.14	0.10	3.680	2.670	3.770	6														
2001	43	23	3	271.855	-617.469	D	8.448	7.809	0.639	56.17	40.80	1.56	0.03	0.04					
0.07	1.33	3.440	2.530	3.520	7														
2001	329	23	35	273.293	-614.653	D	8.485	7.897	0.589	21.08	67.38	5.99	0.10	0.17					
0.27	5.01	3.680	2.670	3.770	8														
2001	200	23	35	273.293	-614.653	D	8.329	7.830	0.498	67.66	30.40	1.78	0.03	0.05					
0.08	0.00	3.490	2.590	3.690	9														
2001	51	23	3	271.855	-617.469	D	8.241	7.809	0.432	48.91	48.64	1.98	0.03	0.06					
0.09	0.29	3.440	2.530	3.520	10														

2001	155	23	35	273.293	-614.653	D	8.303	7.910	0.393	56.26	39.31	3.07	0.05	0.09
	0.14	1.09	3.710	2.710	3.880									
2001	201	23	3	271.855	-617.469	D	8.221	7.830	0.391	76.12	21.91	1.81	0.03	0.05
	0.08	0.00	3.490	2.590	3.690									
2001	69	23	35	273.293	-614.653	D	8.079	7.701	0.378	38.41	57.88	3.38	0.06	0.10
	0.15	0.03	3.140	2.370	3.310									
2001	282	23	35	273.293	-614.653	D	8.277	7.910	0.366	48.07	43.19	4.81	0.08	0.14
	0.22	3.49	3.720	2.690	3.760									
2001	196	23	3	271.855	-617.469	D	8.178	7.830	0.347	53.37	44.55	1.91	0.03	0.05
	0.09	0.00	3.490	2.590	3.690									
2001	119	23	3	271.855	-617.469	D	8.065	7.738	0.327	53.84	42.91	2.96	0.05	0.08
	0.13	0.02	3.240	2.430	3.410									
2001	303	23	3	271.855	-617.469	D	8.229	7.910	0.319	42.27	55.12	2.38	0.04	0.07
	0.11	0.01	3.720	2.690	3.760									
2001	177	23	35	273.293	-614.653	D	8.223	7.910	0.314	60.80	37.32	1.73	0.03	0.05
	0.08	0.00	3.710	2.710	3.880									
2001	176	23	18	260.302	-615.069	D	8.211	7.910	0.301	65.92	31.83	2.06	0.04	0.06
	0.09	0.00	3.710	2.710	3.880									
2001	202	23	3	271.855	-617.469	D	8.116	7.830	0.285	80.79	17.48	1.58	0.03	0.04
	0.07	0.00	3.490	2.590	3.690									
2001	27	23	18	260.302	-615.069	D	8.232	7.957	0.274	48.66	43.64	4.78	0.08	0.13
	0.22	2.49	3.850	2.770	3.900									
2001	44	23	35	273.293	-614.653	D	8.066	7.809	0.257	58.28	39.16	1.78	0.03	0.05
	0.08	0.61	3.440	2.530	3.520									

--- Number of days with Delta-Deciview => 0.50: 8
 --- Number of days with Delta-Deciview => 1.00: 1
 --- Largest Delta-Deciview = 1.107

 CALPOST Version 6.221 Level 080724

Run-Length VISIBILITY

VISIB BOESNCFG

(deciview)

RECEPTOR	COORDINATES (km)	TYPE	DV(Total)	DV(BKG)	DELTA DV
----------	------------------	------	-----------	---------	----------

1	270.326 -617.519	D	7.910	7.864	0.046
---	------------------	---	-------	-------	-------

--- Number of recs with Delta-Deciview > 0.10: 0
 --- Largest Delta-Deciview = 0.046